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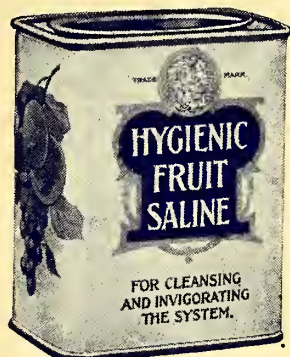
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No. 2462.

APRIL 16, 1927.

Vol. CVI.



*We give you the best value in all kinds of*

**EFFERVESCING SALINES,  
HEALTH SALTS, LIVER SALINE,  
CITRATE MAGNESIA, &c.,**

*in attractive containers.*

Also all kinds of **SULPHUR TABLETS & LOZENGES.**

*Prices are right. Quality guaranteed, and your customers are satisfied.*

130 Years' Repu-  
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"Experience does  
count."

**MEGGESON**

&  
CO.,  
LTD.

BERMONDSEY,  
LONDON, S.E.16

# MERCUROCHROME

## "220" SOLUBLE

*Manufactured by*

**MAY & BAKER**  
LIMITED

**BATTERSEA - LONDON, S.W.11**



THE ASPIRIN WITH A PURPOSE

# *Aspirgran*

(REGISTERED)

A granular form of purest ASPIRIN, designed to eliminate granulation in tablet making.

Simply dry-mix and feed to the machine — ASPIRGRAN “flows” readily and produces a perfect tablet, rapid in disintegration.

If you make tablets, there is only one form of ASPIRIN—Unique in its advantages—to meet your needs.

It is

## **ASPIRGRAN**

Why not try it?

*The*  
**GRAESSER-MONSANTO**  
**CHEMICAL WORKS**

RUABON,  
N. WALES.

LIMITED

LONDON OFFICE  
39 BILLITER BUILDINGS,  
BILLITER STREET, E.C.3.

## "Easy" Corn Cure

R Salicylic Acid  
Ext. Cannab. Ind.  
Terebinth  
Collodion.

Correctly labelled to  
comply with modern  
requirements. Glass  
rods and wads for  
application.

5/- doz. 57/- gross  
*Striking Showcard.*



## Corn Solvent

A cheaper packing of  
the above—

4/- doz. 45/- gross

## Non-Poisonous Corn Paint

R Salicylic Acid, P. Alum, Ether, Terebinth, Collodion, &c.

Cards of one dozen - - 4/- dozen 45/- gross  
Brushes attached to bottles.



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For TIRED, TENDER and ACHING  
FEET, also LUMBAGO, &c.

6/6 dozen. 75/- gross

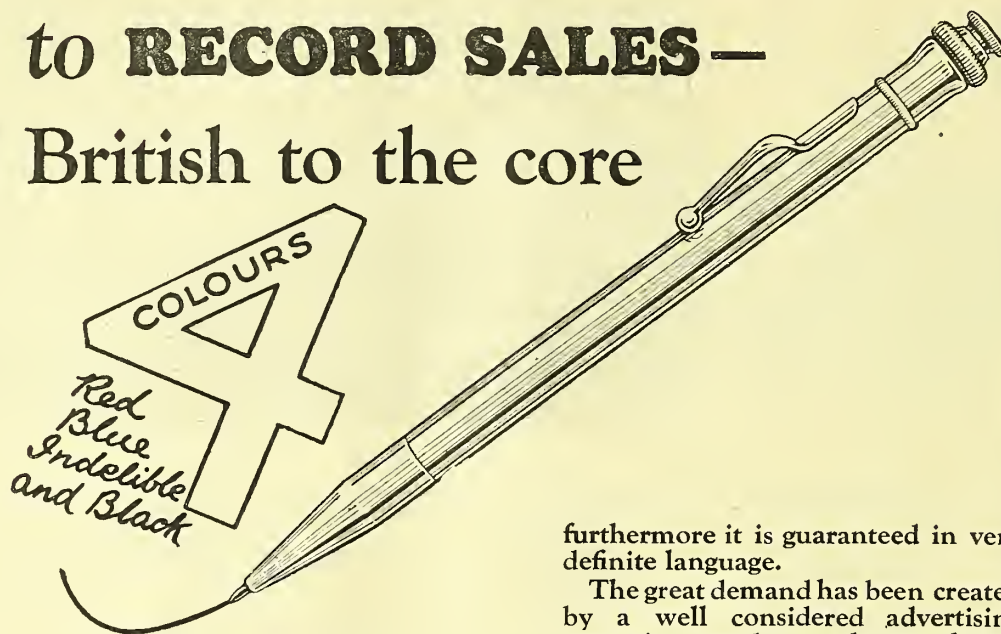
\* Dummies for Window Display,  
6d. dozen.

*We invite you to visit us at*  
**STAND 35**  
*at the forthcoming*  
**Chemists' Exhibition**

# ARTHUR H. COX & CO., LTD.

93 Lewes Road, BRIGHTON.

# By leaps and bounds to **RECORD SALES**— and British to the core



**I**N spite of the cheap foreign four-colour pencils on the market "Aladdin" sells and sells and sells.

The reason is obvious. The British public are not only patriotic but possess a very keen sense of value, and undoubtedly the "Aladdin"—although higher in price—is, in the long run, far cheaper. For it lasts a lifetime and is not just a nine days wonder. It is a pencil of real utility to every business man and woman and is an absolute masterpiece of British engineering skill.

It is made to last, made to give faultless service, made to fill a long-felt want, and

furthermore it is guaranteed in very definite language.

The great demand has been created by a well considered advertising campaign, and you know that a sound article well advertised is the safest to handle, for sales are sure and consistent, and, in the case of the "Aladdin" four-colour pencil—profitable too!

So, if you are not already handling this wonderful line, do so in your own interests now. Stock it freely, display it to advantage, and easy sales await you.

The "Aladdin" writes in four colours—red, blue, indelible and black, and each colour is instantly available on the twist of the screw-cap. Nothing simpler and nothing to get out of order. Retailing at the following prices:—In rolled silver 7/6, in rolled gold 15/.



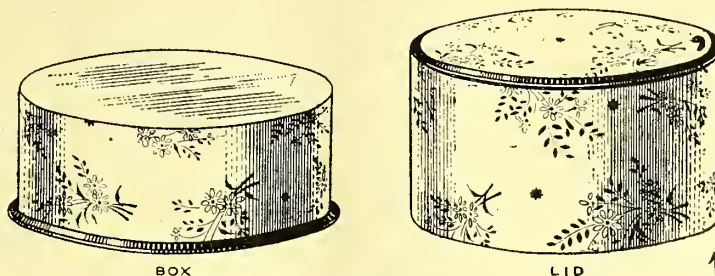
The Sign of the  
BRITISH MADE

## *Aladdin* 4-colour pencil

**GUARANTEE:** In the unlikely event of an Aladdin pencil or part thereof proving defective in construction or faulty in material, it will be replaced  
**FREE OF CHARGE**

ALADDIN INDUSTRIES, LTD. 702 Aladdin House, 118, Southwark St. London, S.E.1

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No. 1.

Illustrated above is one of our new Face Powder Boxes, which are very pleasing and attractive. When filled these Boxes are absolutely powder tight and remain so until the parchment drum has been punctured by the purchaser. Samples and Prices gladly sent on request.

## NOTE ITS GOOD POINTS

- |   |   |   |
|---|---|---|
| 1 | Flanged bottom which enables lid to be taken off easily.    | 1 |
| 2 | Deep Lid which shows the attractive paper to advantage.     | 2 |
| 3 | Transparent or Parchment Drum, making the Box powder tight. | 3 |
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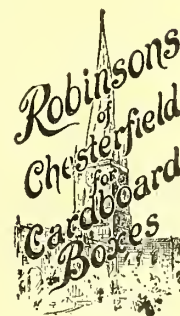
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## Robinson & Sons, Ltd.

*Manufacturers of Round, Oval, Square  
and Folding Cardboard Boxes,*

## Chesterfield & London



Telegraphic Address:  
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## Blood Purifying Mixture

R Pot. Bicarb.  
Pot. Iodid.  
Comp. Decoc. Sarsapilla B.P. 1885.  
Aqua Chlorof.

Clears the skin and eradicates impurities from the blood.

5 oz. panels—

9/-

Per dozen.

105/-

Per gross.

*The colour effect is a striking blend of orange, red and black. Although not shown, each bottle is cartoned.*



## Fruit Laxatives

(containing Phenolphthalein gr. 1). Still the children's favourite.

Envelopes of 2, 3 and 4 tablets in one gross display cartons.

2s .. 7/6 gross

3s .. 9/- "

4s .. 10/6 "

Boxed—

15s .. 4/3 dozen

30s .. 6/- "

*The showcard accompanying these tablets is an ornament to any pharmacy.*



**ARTHUR H. COX & CO., LTD.**  
**BRIGHTON - - ENGLAND.**

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The corrugations intensify the glitter of the honey-like gum, making an irresistible lure for flies.

In boxes of 36.

It pays to sell KAY'S



Your customers who like a big pennyworth will come again and again for VIPER Flycatchers. Note the stout wire hanger and the sensible drip-preventer.

In boxes of 36.

# Your Flycatchers for MAY delivery should now be ordered

Write for carriage paid prices and details of the SPECIAL BONUS SCHEME which makes KAY'S Flycatchers the most profitable brands to you. Please indicate your estimated requirements for the season.

KAY BROTHERS LIMITED : : STOCKPORT

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## IMPORTANT TO ALL PHOTOGRAPHIC CHEMISTS

DON'T leave the ordering of photographic goods until the last minute! Many sales are lost and customers disappointed by not having goods in stock. Be prepared for the coming season. Go through your lists and order now.

In ordering, please remember that we specialise in everything pertaining to Photography.

WE WILL GLADLY SEND YOU LISTS ON RECEIPT OF TRADE P.C.

*John Thompson* <sup>(Wholesale Druggists 1921)</sup> *Ltd.*  
*Duke St., Liverpool*

Telephone: Royal 1434

Telegrams: "Drugs, Liverpool."

## Half Day Trips

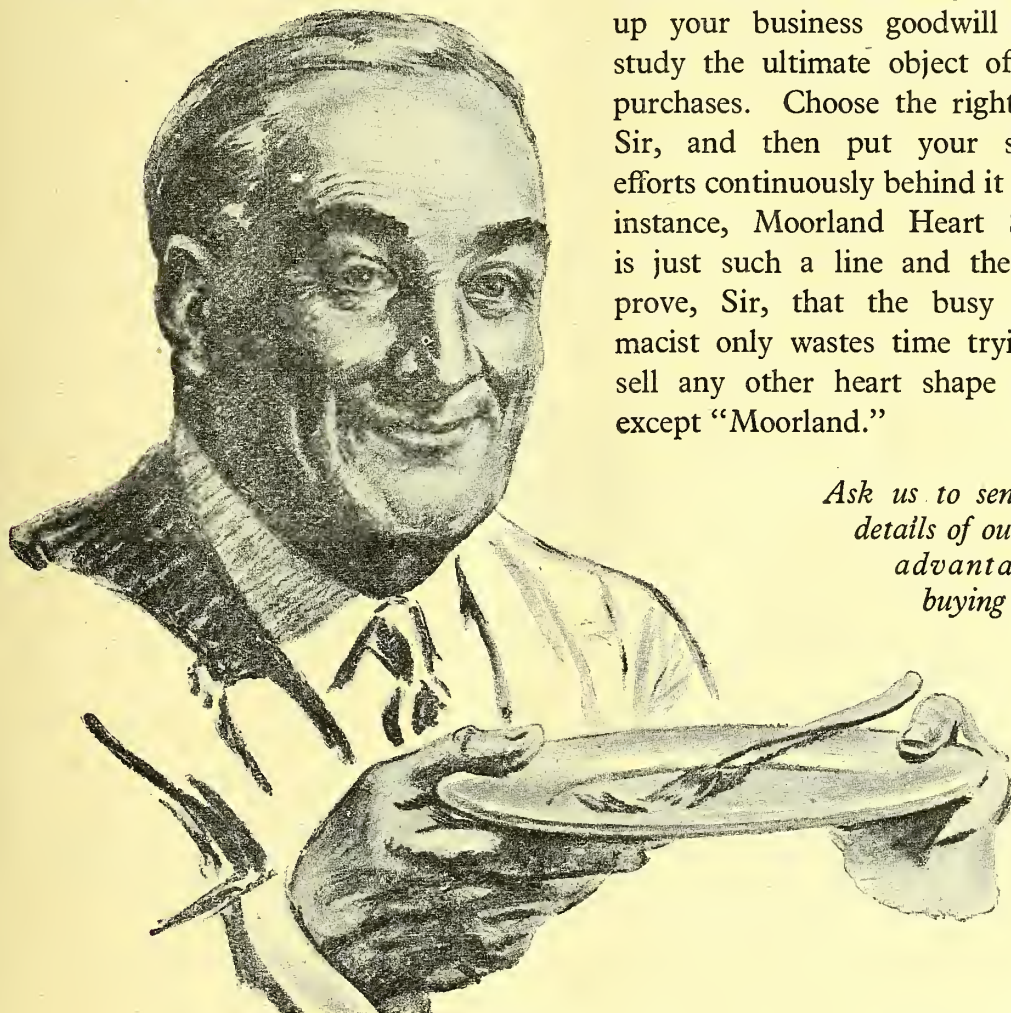
Along the highroad of Pharmacy, Sir, there are a number of appealing side paths branching out into unknown directions.

Many pharmacists look upon these pleasant paths and are attracted by them. Somebody in the business has a new idea, something "different." Someone steps in and sells a neat "stunt."

So the pharmacist dips into his bank balance, goes off with part of his business assets and a good deal of romantic hopefulness.

In my opinion, Sir, the pharmacist who indulges in these escapades, and flops around for stunts, usually profits in only one way, and that is experience. A less adventurous, but better way to build up your business goodwill is to study the ultimate object of your purchases. Choose the right line, Sir, and then put your selling efforts continuously behind it? For instance, Moorland Heart Shape is just such a line and the sales prove, Sir, that the busy pharmacist only wastes time trying to sell any other heart shape tablet except "Moorland."

*Ask us to send you  
details of our most  
advantageous  
buying terms.*





ORDERED BY DOCTORS ALL THE YEAR ROUND.

## PEPTONE in ASTHMA

The treatment has been applied not only to **asthma**, but also to such of its congeners as **hay fever**, associated **skin affections**, **anglo-neurotic oedema**, **cyclic vomiting**, **periodic diarrhoea**, and the **migraine-epilepsy** syndrome; in short, to such conditions as exhibit an **anaphylactic character** or **sensitisation**.

Graded Series of 10 Sterules, 7/6. Continuation Course of 6 Sterules, per box 6/6.

Also two new "Shading-off" Courses for intravenous use:

Class I, Box of 6 Sterules, 7/6. Class II, Box of 3 Sterules, 4/-.

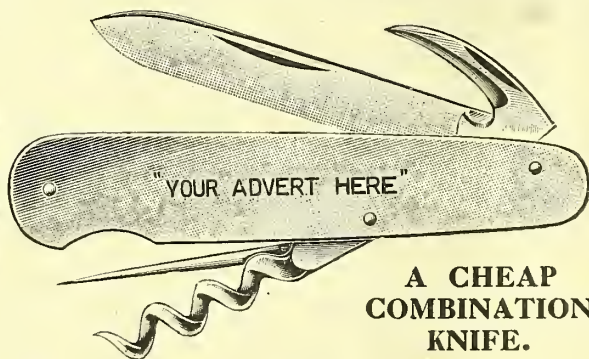
Merchant Shippers and the Home Trade are earnestly asked to co-operate with us. Enquiries solicited.



**W. MARTINDALE (MANUFACTURING CHEMIST)**, 10 New Cavendish Street, London, W.1

Telegraphic Address: "MARTINDALE, CHEMIST, LONDON."

Telephone Nos.: LANGHAM 2440 and 2441.



**A CHEAP  
COMBINATION  
KNIFE.**

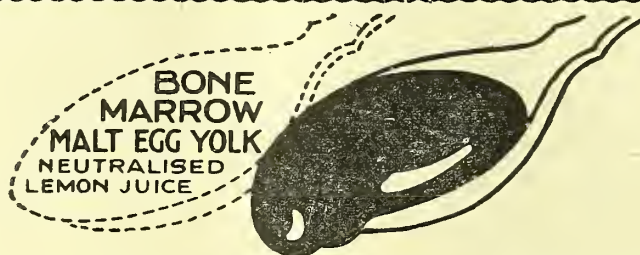
*Extract from "The Ironmonger,"  
January 22, 1927.*

What is described as a Traveller's Combination Knife, shown in the illustration, is an addition to a list of cutlery wares made by Mr. G. H. Lawrence which competes with foreign goods in price as well as quality. This pattern is unquestionably the cheapest knife of its kind of Sheffield make that has ever been offered to the public. Of full size, it combines Blade, Corkscrew, "Crown" Cork Opener, Champagne Wire Cutter and Cigar Probe, and has Nickel-Silver Handles. The small blade, serving the double purpose of drawing corks and cutting wire, is a serviceable tool.

*Wholesale and Shippers Only.*

**GEO. H. LAWRENCE,**  
32 EYRE STREET, SHEFFIELD.

Also Manufacturer of  
LAUREL SAFETY RAZOR BLADES.



Ever since we first started to advertise "Roboleine" to the Public we have told them what is in it. The goodwill thus engendered is something which you can turn into profit—by displaying and recommending your

# Roboleine

THE FOOD THAT BUILDS THE BODY

**OPPENHEIMER, SON & CO., LTD.**  
179 QUEEN VICTORIA ST., LONDON, E.C.4

*Manufacturers of "MAGLACTIS," the Pure Hydrate of Magnesia  
with the continuous action.*



Do you realise that the "News of the World" is read by millions of women, in every scale of society, each Sunday.

And all of them, from typist to she who employs a lady's maid, have to look their best at all times. Every one of them buys toilet requisites on a scale unprecedented a few years ago.

Here then is a medium for marketing your goods. The "News of the World" covers the whole country. Its sale is nearly 4,000,000 copies every week, and you can reach its readers for as little as  $\frac{3}{4}$ d. for every thousand copies sold.

There is no quicker or cheaper way of turning over your stocks in the retailers' shops than by creating a direct demand for your goods among the buying public.

*Women's wider sphere of activity and modern convention insist that she must always look her best at all times, thus the greater demand for toilet preparations. Let the "News of the World" help you to get your full share.*

This is a sound sales idea. Think it over carefully and then talk over your particular proposition with the Advertisement Manager of the—

# NEWS OF THE WORLD

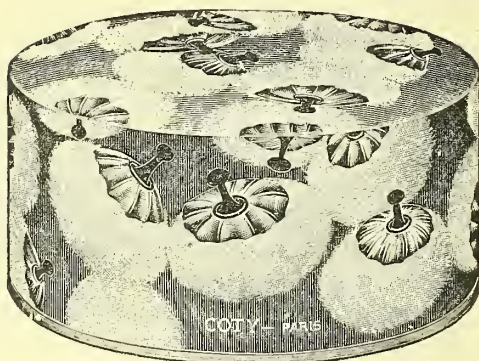
**A Complete Advertising Campaign in Itself**

**BOUVERIE STREET  
LONDON - E.C.4**

# SPRING BONUS OFFER

*From*

*1st to 30th April, 1927.*



*Coty*  
*Parfums*  
*de Luxe*

**BUY AS MUCH AS  
YOU CAN—YOU HAVE  
ONLY TO SHOW IT  
TO SELL IT!**

The Coty Spring Advertising Campaign has commenced, and in conjunction with it we are offering a Bonus on COTY POWDERS so that you may reap full benefit from it. Coty Specialities displayed in your windows and on your counters sell themselves. With the additional publicity which we are affording them just now, even quicker sales will ensue

22  
PARFUMS  
CREATIONS

COTY (England) LTD.  
COTY HOUSE,  
3 STRATFORD PLACE  
(Opposite Bond Street Tube Station)  
LONDON, W.1.

10  
TRUE  
SHADES

Maw's



Page

## Sell "Meritor" Shaving Brushes

Every male member of the population must buy a shaving brush some time or other. In nine cases out of ten he goes to the pharmacist for his first shaving brush. If that first brush pleases—if the filling is satisfactory, if the hairs do not come out, if the handle is easy to hold, if it does not split and has no crevices to hold dirt—if, in short, it is a "Meritor" shaving brush—he goes to the pharmacist for successive brushes. Thus profits accrue, goodwill is established and prosperity assured.

The far-seeing pharmacist sells each shaving brush customer a "Meritor" shaving brush. He knows that he can rely upon the "Meritor" guarantee. He knows that, in selling a "Meritor" shaving brush, he has sold satisfaction. The brush he has just handed over the counter is of the highest quality. It is packed in a hygienic carton whose striking design is a selling force for the whole series of "Meritor" toilet brushes. It has brought him a profit of 50 per cent. on cost, and will, by sheer excellence of quality, bring a repeat order to be followed by repeat orders.

*"Meritor" shaving brushes are made for pharmacy, are packed for pharmacy and bring profit to pharmacy alone. Display them consistently and work for ultimate prosperity.*

S. Maw, Son & Sons, Ltd.,  
Aldersgate St., London,  
and Barnet.



from  
**ARMOUR**



the  
**LABORATORY**

WE HAVE

## **TWENTY PREPARATIONS**

either STANDARDISED (to the U.S.P.) or accepted by the  
★ COUNCIL on PHARMACY and CHEMISTRY of the  
AMERICAN MEDICAL ASSOCIATION.

*Here  
are a  
few  
of topical  
interest*

**OX GALL, Fresh. U.S.P.**

**PEPSIN. Sol. Powder, Scale or Granular. U.S.P.**

**PANCREATIN. U.S.P.**

**BENZOINATED LARD. U.S.P.**

**TRYPSIN. (P.C.A.M.A.) ★**

**THYROID. 2% Iodine Content U.S.P. Desicc.**

**PITUITARY. Whole Gland Desicc. (P.C.A.M.A.)★**

*Price List  
— free —*

**ARMOUR AND COMPANY**  
**LIMITED**

**Queen's House, Kingsway,  
LONDON, W.C.2.**

*Booklet  
— free —*



# Norwegian Medicinal Cod Liver Oil

*Growth Promoting  
Anti-Rachitic*

The remarkable results obtained by modern vitamin research have led to a world-wide record-breaking consumption of Norwegian Medicinal Cod Liver Oil

---

*Yearly production  
more than  
2,000,000 gallons*

---

# Free Jars



These jars help your display—  
display sells the goods, and we  
bear the cost. When empty the

Jars are suitable for a variety of  
purposes, e.g., Soaps, Powder  
Puffs, Combs, Brushes, &c.

Free Jar with

Per lb.

7 lbs.	Antiseptic Throat Pastilles	2/3, 2/9
7 "	Bismuth Lozenges	3/1
7 "	Bismuth Indigestion Tablets	2/0
7 "	Bismuthated Magnesia & Mint Tablets	2/9
7 "	Brompton Lozenges	1/11
28 "	Candies (Cough, Cream, Mint, Lime Fruit, Lime Juice)	1/2
16 "	Cherry Pastilles (Dr. Monroe's)	1/7
7 "	Fragrant Cachous	2/5
7 "	Formalin & Mint Tablets	2/0
7 "	Glycerine Pastilles	3/3
7 "	Glycerine & Black Currant Pastilles	3/3
16 "	Glycerine, Honey & Lemon Pastilles	1/7
7 "	Iodised Throat Tablets	2/10
16 "	Mixed Fruit Pastilles	1/7
7 "	Licorice & Menthol Pellets	4/0
7 "	Peppermints	3/0
7 "	"Pinettes"	2/0
7 "	Sore Throat Tablets	3/0
28 "	Sulphur Tablets	1/0 28-lb. lots 1/2 7-lb. lots

AYRTON, SAUNDERS & CO. LTD.  
34 HANOVER STREET • LIVERPOOL

# Lemon Oil? Write Reigate !

**One quality only**—the virgin hand-pressed oil of the finest Sicilian lemons.  
**We Know**—because we comb the Island and select the best.

## White, Tomkins & Courage Ltd Reigate Surrey

REGISTERED



TRADE MARK

### Chemical Works "Flora"

DUBENDORF, ZURICH - SWITZERLAND

*Manufacturers of*

### SYNTHETIC & AROMATIC CHEMICALS

Offer special compositions for BRILLIANTINES,  
soluble in oil and alcohol, in the following odours:

CARNATION 233  
EAU DE COLOGNE 375  
EAU DE COLOGNE 1926  
JASMIN 50  
JASMIN  
JASMIN 1137  
JOCKEY CLUB 258  
LILAC 151  
LILY OF THE VALLEY C.H.  
ROSE 2565  
VIOLET A  
VIOLET B 256  
WALLFLOWER 234

We recommend these on account of their strength  
and cheap price.

*Samples and particulars from—*

**CHAS. ZIMMERMANN & CO. (Chemicals), LTD.**  
St. Mary-at-Hill, London, E.C.3

THE STANDARD

## D & O

OF QUALITY

BRAND

## AMERICAN ESSENTIAL OILS

### GENUINE AMERICAN PEPPERMINT OIL

*Natural : finest single distilled. Prismenhta : re-distilled.  
Supermenhta : rectified.*

OILS OF NUTMEG, COPAIBA, SASSAFRAS,  
CEDARWOOD, SPEARMINT, WORMSEED.  
BALAMS: PERU, COPAIBA, TOLU.

### Dodge & Olcott Co.

20 Mark Lane, London, E.C. 3.

'Phone: Royal 3102/3. Wires: "Egdarf, Fen, London."

*Head Office: 87 Fulton St., New York.*



# LILAC DISTOL

## A Perfume of the Countryside

**O**PEN-AIR joys are more widely appreciated to-day than ever before. There is a definite call to the countryside and the up-to-date Pharmacist re-echoes the call in his perfumery department.

Many of the charming but elusive odours which contribute to the fragrance of garden, field and hedgerow can be reproduced faithfully, economically and quickly with "Distol" Ottos by the simple addition of S.V.R. and Aqua Dest. Write for samples of any six. There are now 45 "Distol" Ottos in the list. Uniform in concentration and price—7/6 per ounce.

**"DISTOLS"** are ideal for your proprietary perfumes and toilet preparations

**THOMAS KERFOOT & CO. LTD.**  
BARDSLEY VALE, LANCASHIRE,  
& Bardsley House, London, N.1  
ESTABLISHED 1797.

B.837

COPYRIGHT

# DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

## Toilet Specialties.

	Price per doz. to Retailer	Selling Price P.A.T.A.
PILENTA SOAP ..	10/-	1/-
A complexion soap.		
PROLACTUM ..	10/-	1/-
For the lips.		
PARSIDIUM JELLY ..	10/-	1/-
For wrinkles.		
ALLACITE OF ORANGE BLOSSOM ..	22/6	2/6
A dressing cream.		
BORANIUM ..	22/6	2/6
A hair tonic.		
GLEMINITE ..	22/6	2/6
For a face lotion.		
COLLIANDUM ..	22/6	2/6
For a face tint.		
PERGOL ..	22/6	2/6
A deodorant.		
TEKKO PASTE ..	22/6	2/6
Camphor cream.		
STALLAX ..	13/6	1/6
For a shampoo.		
JETTALINE ..	22/6	2/6
For clearing the skin.		
PHEMINOL ..	31/6	3/6
A depilatory.		
MENNALINE ..	36/-	4/-
For the eyelashes.		
MERCOLIZED WAX ..	18/-	2/-
A face cream.		
STYMOL ..	31/6	3/6
For oily complexions and blackheads.		
SILMERINE ..	36/-	4/-
Hair-curling fluid.		
BARSYDE ..	22/6	2/6
Dandruff eradicator.		
TAMMALITE ..	22/6	2/6
For grey and faded hair.		
LIQUID PERGOL ..	31/6	3/6
To check excessive perspiration locally.		
BICROLIUM ..	22/6	2/6
For whitening the hands.		
COCONOIDS ..	31/6	3/6
For figure development.		

### The Products of

Messrs. PARKER, BELMONT & CO.

CLYNOL BERRIES ..	36/-	4/-
For obesity.		
SOFT PALERIUM ..	58/6	6/6
For wrinkles.		
LIQUID NAIL POTASH..	45/-	5/-
Brilliant and lasting.		
	10/-	1/-

Stocked by ALL Wholesale Houses.

### FOREIGN AND COLONIAL DEPÔTS AND AGENCIES.

South Africa: LENNON, LTD., Cape Town, etc.

India: FRAMJEE & SON, Bombay.

A. L. CHOUDRY, Calcutta.

New Zealand: SHARLAND & CO., Auckland and Wellington.

Holland: N. V. v/h HENRI SANDERS, Amsterdam.

Denmark: KARL SCHULTZ & CO., Copenhagen.

Sweden: ENEQUIST HOLME & CO., A/B, Stockholm.

Irish Free State: MAY, ROBERTS & CO., LTD., Dublin.

SOFT HANDS  
WHITE HANDS  
DRY HANDS

§ § §

Spurway's

ORANGE &  
LEMON  
CREAM

for the hands

PREVENTS SUNBURN  
AND CHILBLAINS.

Checks Perspiration.

A beautiful non-greasy Cream  
exquisitely perfumed and packed  
in a highly artistic style.

SELLS AT SIGHT.

BRINGS REPEAT ORDERS.

An "All-the-year-round" Line

	1 doz. lots.	3 doz. lots.
1/9 size	14/-	13/-
1/3 "	10/-	9/-
10 1/2 d. "	7/-	6/6
(sample size)		

SPURWAY ET CIE.  
LIMITED.

89 GREAT EASTERN ST., LONDON, E.C.2

Telegrams: "Neroli, London."

Telephone: Bishopsgate 1372.

Factories & Distilleries: Cannes-Grasse, Riviera.  
Technical Laboratories: Paris.

NEW YORK.

KINGSTON (ONTARIO).

# Ashes of Roses

BOURJOIS - PARIS

## £2,120

# WINDOW DRESSING COMPETITION

June, 1927.

ONE DAY IN JUNE—*June, the month of Red, Red Roses*—will be a *Red-Letter* day for someone in the Perfumery business, and the “*Roses of Picardy*” will not only bloom and shed their fragrance across the fair plains of France, but will shine in the windows of every Chemist, Hairdresser and Perfumer who takes part in the wonderful “*Ashes of Roses*” Window Dressing Competition of M. BOURJOIS and links up with the great Advertising Campaign in that month.

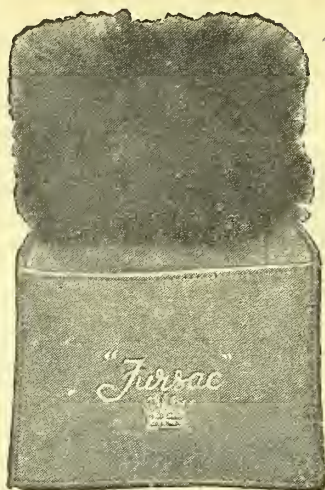
*This is the most unique Window Dressing Competition* ever held in connection with Perfumery, and has been so arranged that every section of the Trade has an equal opportunity of winning prizes.

*Sums of £500—£300—£250—£150*—are indeed substantial—and that such sums can be won by Chemists, Hairdressers and Perfumers marks the Dawn of an entirely new Era; for never before has any firm of Perfume and Toilet Goods Manufacturers offered such generous rewards for the stimulation of Sales through the Art of Window Dressing.

*The Rules governing this “Ashes of Roses” Window Dressing Competition* are of the simplest nature, and are so framed that the smallest Country Chemist, Hairdresser or Perfumer has an equal chance with that of his confrère located in the big cities.

You will receive by post on Wednesday morning next, April 20th, full particulars of this unique competition.

*Bourjois*  
PARIS



*"Fursac"*

THE  
IDEAL PUFF  
FOR THE  
HANDBAG

THE "FURSAC" PUFF ROLLS BACK INTO ITS OWN CONTAINER, AND AUTOMATICALLY TAKES UP A FRESH SUPPLY OF POWDER READY FOR IMMEDIATE USE. NO LOOSE PARTS.

Attractive display showcards on application.

	RETAIL	TRADE
P850 MIDGET, Leather	2/6 ea. P.A.T.A.	20/- doz.
P852 STANDARD "	3/6 ea. P.A.T.A.	28/- "
P854 DE LUXE "	5/- ea. P.A.T.A.	40/- "
P858 VANITY Silk Brocade	4/6 ea. P.A.T.A.	36/- "

MANUFACTURED IN  
HYGIENIC FACTORIES BY  
**SOLPORT BROTHERS LTD**

184-190, Goswell Road  
LONDON, E.C.1

**KIRBEE**

BRITISH BLADES  
that mean  
**BIGGER PROFITS**

MADE IN  
SHEFFIELD

Selling at  
**5 for 1/-**  
**10 for 2/-**

KIRBEE Blades have proved the enormous success we expected, for the public have discovered that this Sheffield blade is cheaper and better than foreign makes. Link up with our vigorous advertising by a good display (bright sales-aids on request) and secure our big discounts. Trade terms, literature etc., on application.

DOUGLAS KIRBY & CO., LTD., 9/10 Charing Cross,  
LONDON, S.W.1. Telephone: Gerrard 3147, 8063/4/5.  
GLASGOW - - 47 OSWALD STREET, C.I.

**GALJADO HAIR COLOUR RESTORER**

For Grey or Faded Hair.

A preparation which sells on its merits. Non-injurious.

In two sizes:

Retail: 2/- and 3/6 per bottle.

Trade: 12/- and 22/- per dozen.

TRIAL DOZEN SENT POST FREE.

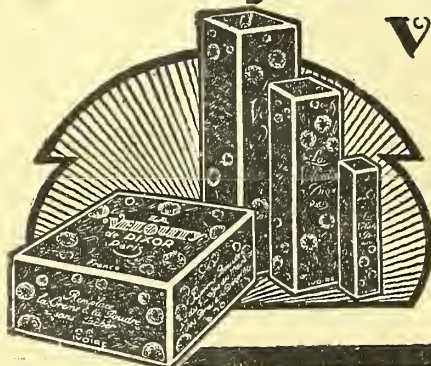
Cash with order.

Note the Profit.

Of all Wholesalers or direct.



THE GALJADO PERFUMERY CO. Ltd.  
93 Worship Street, London, E.C.2.



**VELOUTÉ de DIXOR** PARIS..  
**COMBINED CREAM AND POWDER**

The advertised line that you are asked for

DAINTY PRESENTATION

Samples free upon receipt of tradecard or billhead

Prices:—Full size pot	21/- doz.	Retail .. ..	2/9
Super Tube	22/- "	" .. ..	3/-
Large "	14/- "	" .. ..	2/-
Medium "	7/- "	" .. ..	1/-
Handbag "	3/- "	" .. ..	6d.

Made in three shades: WHITE, IVORY and NATURAL

Obtainable from your regular Wholesaler or direct from the Sole British Agents:  
DEBACQ & HARROP, 68 Newman Street, Oxford Street, LONDON, W.1

To enterprising Chemists—  
A new source of Revenue

## RAYDAS HAT CRYSTALS



TRADE MARK.

Make Hats Hygienic and keep the Head and Hair Healthy

This really new production of genuine hygienic utility fills a large felt want. The antiseptic and absorbent gold button, so easily fitted into any type of headgear whatsoever, is an aid to personal hygiene that no one, of either sex, can possibly afford to neglect.

Retail price 1/9 each (P.A.T.A.) and most attractively packed.

CHEMISTS ARE ENTERPRISING—the immediate demand has proved it. Those who have not yet communicated with their wholesalers should do so as orders can only be dispatched in strict rotation. REMEMBER—millions of new spring and summer hats are waiting for their Raydas CRYSTALS.

MADE IN ENGLAND BY

FRANCIS HAMMOND & Co., Ltd., 76-86, Strand, London, W.C.2.

(Telephone : Chancery 8041.)

## Preliminary Announcement

At last, complete Empire Product.  
Guaranteed manufactured from  
Fruit from our own Colonies.

**LEMON SQUASH**  
**ORANGE SQUASH**  
**LIME JUICE**

First Shipment to arrive two weeks.

Get in first with supplies  
and please your customers.

**D. & J. MISELL**

15 Cooper's Row ~ ~ London, E.C.3.

Telephone : Royal 2796.

Established 1795.

## LAUTIER FILS

Works : GRASSE (France) & BEYRUT (Syria).

Essential Oils—Synthetics.  
All Raw Materials for Perfumery.

Absinth	Laurel
Almond, bitter.	Lavender
Angelica [S.A.P.]	Lemon
Basil	Mace
Bay	Melissa
Bergamot	Neroli big and Syn.
Bols de Rose femelle	Orange
Cajuput	Otto de Rose
Caraway	Patchouli
Cinnamon	Peppermint
Cloves	Rosemary
Copaiba	Rue
Costus	Sandalwood
Cubeb	Spice Lavender
Fennel	Tansy
Geranium	Tarragon
Honey	Thyme
Hyssop	Vetivert

Olive, Peach Kernel, Sweet Almond Oils  
Floral Waters.

Wholesale and Export only.

LAUTIER FILS, Ltd., 4 Denman St., London Bdg., S.E.1  
Tel. Add.: "LAUTIER, PHONE, LONDON." Telephone : Hop 2819.

THE  
DEMAND  
for  
LIQUID  
SHAMPOOS  
is  
STEADILY  
increasing

This Series  
shows a  
substantial  
profit  
and  
has a  
ready  
sale

# TOOGOOD'S LIQUID SHAMPOOS



Packed in  
4 oz. Round  
Bottles with  
Patent Cap,  
each in  
Carton.

In attractive  
Counter  
Display  
Boxes of Six



Customer's  
Name Free  
on Three  
Dozen  
Orders

## Supplied in Eleven Varieties :—

No. 4254	Olive Oil Shampoo	~	~	11/6 doz.
„ 4255	Camomile „	~	~	11/6 „
„ 4270	Henna „	~	~	11/6 „
„ 4429	Henna and Pine Shampoo	~	~	11/6 „
„ 4256	Tar „	~	~	10/6 „
„ 4257	Medicated Pine Tar Shampoo	~	~	10/6 „
„ 3713	Cocoanut Oil Shampoo	~	~	10/6 „
„ 4351	Lavender „	~	~	11/6 „
„ 4352	Palm and Olive „	~	~	10/- „
„ 4294	Pine and Olive „	~	~	11/6 „
„ 4350	Plain „	~	~	8/6 „

MANUFACTURED BY

**WILLIAM TOOGOOD LTD**  
77 SOUTHWARK ST LONDON SE 1



### Free Display Material that helps you to sell

Reproductions of these attractive advertisements for shop displays sent gladly on request. A beautiful three-panel screen supplied gratis with two-gross orders. Bonus of two dozen three-tablet boxes of guest-size—selling at 6d each—for a display.



Write to  
Vinolia Co. Ltd.  
Bebington, Cheshire

Buy British Goods  
and  
Keep Britain Busy

# Vinolia

PREMIER SOAP

The "PEANCO" &  
"BRIDGEWATER"  
NON-INFLAMMABLE.



HOW TO PLACE "PEANCO"  
COMBS IN HAIR.  
Note the 2 clips.

No. 1. 3½ inch. No. 3. 4½ inch.  
No. 2. 4 " No. 4. 5 "  
**8/9 doz. pairs.** Boxed  
dozens.

Obtainable from—

MAY, ROBERTS & CO., LTD., 7 Clerkenwell Rd., E.C.1; BARCLAY & SON, 95 Farringdon St., E.C.1; SANGERS & CO., LTD., 42a Hampstead Rd., N.W.; P. H. GALLOWAY & CO., LTD., 162 Walworth Rd., S.E.; BUTLER & CRISPE, LTD., 80 Clerkenwell Rd., E.C.1; FRANCIS NEWBURY & SONS, LTD., 27 Charterhouse Sq., E.C.1, and all Wholesale Chemists and Druggists.

# WATER WAVING COMBS

British Patent No. 240,377.  
Patented in all Countries.

NON-INFLAMMABLE.



HOW TO PLACE "BRIDGEWATER" COMBS  
IN HAIR.

Note the 3 clips.  
Length 10 inches for long waves.  
**12/9 doz. pairs.** Boxed  
dozens.

THE SALES TO DATE HAVE  
EXCEEDED

2,000,000 Pairs 2,000,000 Pairs

Two Million Pairs

The special purpose of  
this Advertisement is to  
invite all Retailers to  
send to the Manufactur-  
ers for the two

## New Show Cards

FREE OF CHARGE AND  
POSTAGE FREE.

REALLY WORKS OF ART

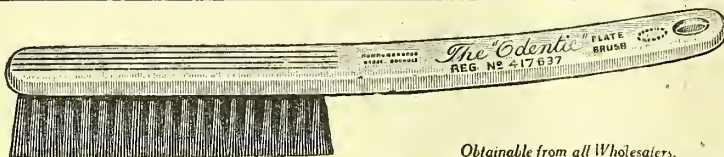
Manufacturers and Suppliers to the Wholesale only.

**PARKER & CO. (London) LTD.** 4/5 BRIDGEWATER SQUARE,  
LONDON, E.C.1.

# BRUSHES.

**LADIES', BOBBED:** Pneumatic Cushion, Wire, Bristle, all Patterns, from 10/- dozen upwards. **MILITARY:** Ebony, Satinwood, Imitation Shell and Ivory, Bristle, Mixed and Fibre, from 6/6 dozen upwards. **SHAVING:** Bone, Boxwood and Metal, Badger 1st and 2nd Quality, Mixed Bristle, from 8/- dozen upwards. **NAIL:** Bone and Bristle, with and without handles, Wood and Bristle, Wood and Fibre, Celluloid and Bristle, various Patterns, from 1/6 dozen upwards. **TOOTH:** Bone and Celluloid, all Patterns, Child's 2/6 to 7/6 dozen, Adults' 3/6 to 14/6 dozen. Sample Ranges can be had from 10/- upwards. Carriage paid. Terms 5% C.O.D. 2½% Monthly.

**THE STANDARD BRUSH CO., 5 Lensden Place, Golden Lane, London.**



"ODONTIC" PLATE BRUSH

(Reg. No. 417637)

For ARTIFICIAL DENTURES

Manufactured by—

W. R. SPEER & SON (Estd. over 100 years)

Tooth-Brush Makers,

215 DALSTON LANE, LONDON, E.8.

Obtainable from all Wholesalers.

# ANYTHING IN THE SUNDRIES LINE RENE HEYMANS LTD.

WHOLESALE ONLY.

including ENEMAS, WHIRLING SPRAYS, SOOTHER FITTINGS, DOUCHE  
FITTINGS, POWDER and VANITY PUFFS, BRUSHES, COMBS, POWDER PUFF  
:: :: :: :: MANUFACTURING ACCESSORIES, Etc., Etc. :: :: ::

Our Paris House is always on the look-out for Novelties suitable for  
manufacturing purposes, and we shall be glad to obtain articles for clients.

**9, 10 DOMINGO STREET LONDON, E.C.1**

This style supplied to  
Chemists only

12 oz TABLETS  
6<sup>d</sup> per tablet



OVER 30% PROFIT  
TO THE CHEMIST  
ON SELLING PRICE

GERARD BROS LTD  
SOAP WORKS  
NOTTINGHAM



## From Baby to Grandma

From baby to grandma, Sorbo Sponges—treating with equal tenderness the dimples and the wrinkles—make of every contented user a constant friend!

Everyone on the other side of your counter should use a Sorbo. Those who do so already come back for more: those, alas! whose lives have hitherto been Sorbo-less, will be attracted by the display and the texture and the colour and the luxury idea!

Sorbo sponges offer you a steady profit all the year round. A sound investment for you in rubber-sponge!

### You'll sell SORBELLE!

The newer Sorbo range of sponges—Sorbelles—sells at prices which compare favourably with the foreign article. Sorbelle has all the Sorbo consistency and softness, and again like Sorbo, soap improves it.

Order now from your Wholesaler. If any difficulty write us. 'Price list and trade terms on application.

# Sorbo sponge

THE MOST ABSORBENT RUBBER-SPONGE  
SORBO RUBBER-SPONGE PRODUCTS, LTD.  
Sorbo Works, Woking, Surrey.  
Telegrams: "Sorbo, Woking." Telephone: Woking 966 (2 lines)

## OVERALLS

for  
**Chemists & Druggists**

Jackets and Coats of very superior quality, made from the most reliable materials, smartly cut and thoroughly well finished in every detail.

WHITE DRILL JACKETS	6/11, 8/11, 10/6
Khaki DRILL COATS	7/11, 10/6, 12/6, 14/11
WHITE DRILL COATS	... .. 10/6
BLACK DRILL COATS	... .. 16/6
UNBLEACHED COATS	... .. 8/11

STOCK SIZES: 34 to 44 chest; measure over waistcoat. Special pockets and little adjustments can be made without extra charge. POSTAGE on single coat 9d., but 20/- orders upwards carriage paid. SPECIAL PRICES FOR LARGE QUANTITIES.

## GARDINER

& CO. (The Scotch House), LTD.

1, 3, 5 COMMERCIAL RD., LONDON, E.1.

Telephone: Avenue 6650

Established 1839

### BRANCHES:

Deptford, Edgware Road, Woolwich, Clapham Junction and Knightsbridge.

## G. B. KENT & SONS, LTD.

Are known the World over as  
the Largest Manufacturers of

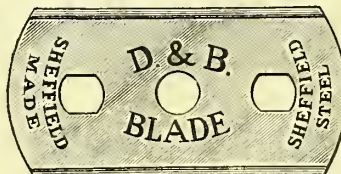
## BEST BRITISH BRUSHES

Please write for full Particulars to—

75 FARRINGTON ROAD, E.C.1.

## BUY BRITISH BLADES MADE FROM SHEFFIELD STEEL

Every  
Blade  
Tested



Popular  
Price

And Nickel Silver ADVERTISING POCKET KNIVES

Send for Samples and Trade Terms to the Manufacturers:

DAWES & BALL (Sheffield) Ltd. 9 Eyre Lane, Sheffield

Telegrams: "Princut," Sheffield. Telephone: Sheffield 24746

# H.M. SILVER TOILET WARE

LARGE SELECTION OF TOILET  
GOODS OF EVERY DESCRIPTION  
ALWAYS IN STOCK.

SEND P.C. FOR ILLUSTRATED LIST.



**ADOLPH SCOTT LTD.** *THE HOUSE THAT GIVES  
YOU SERVICE*  
23, 24, 25, 26 GREAT HAMPTON STREET, BIRMINGHAM

Telephone: Axminster 5.

Telegrams: "Coate, Axminster."

**COATE & CO. (Axminster) Ltd.**

The London Brush Works, Axminster, Devon.

Estab. 1847.

*Manufacturers of Super British Brushes*

Our Special "PROPHYLACTIC" Tooth Brushes—

3 row Hard, Medium, Soft, Yellow Hair @	...	...	...	16/-	per dozen
4 " " " " " " " " " " " "	...	...	...	18/-	" "

Orders for one gross supplied in Cartons with customer's name and address free.  
Every Brush Guaranteed. British made by British Labour. Send for our present list of prices.

## BIDWELLS' PROPHYLACTIC TOOTH BRUSHES

IN THREE SIZES



SILVERED WIRES.

EACH IN CARTON.

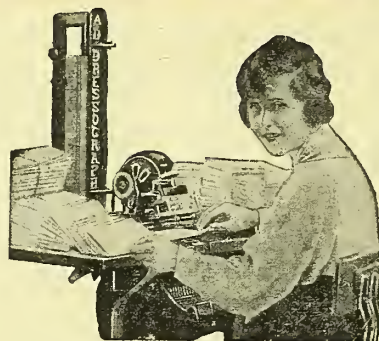
**CASTLE MILLS, AXMINSTER.** On 6 dozen lots own name free on Carton, if desired.

# Addressograph

TRADE MARK  
PRINTS FROM TYPE

## A FREE TRIAL

will prove the Value and Economy  
of the Addressograph System!



**Y**OU can be quite sure that the work produced by the Addressograph, no matter what the hurry, is accurate and quite comparable with the best typewriting, *but it is produced at 10 times the speed.*

Not only will the Addressograph address Envelopes, Wrappers, Post Cards, Labels, etc. but it will prepare

Wages Sheets, Dividend Lists, Annual Summaries, Demand Notes, etc., printing all regular data such as Names and Addresses, Standard Deductions, Rates, etc. in list form *15 times faster than it is possible to write them.* It will Head and Date Monthly Accounts, Invoices, etc.—in fact if you have a list of names for any purpose whatever, the Addressograph can handle that list with the utmost economy. *Write us to-day.*

**ADDRESSOGRAPH LIMITED,**  
47, GRANGE ROAD, WILLESDEN GREEN, N.W.10.

SHOWROOMS:

Phone: Regent 6565.

79 KINGSWAY, LONDON, W.C.2.

Phone: Willesden 1330.

## CELLOPHANE

The ideal **transparent** wrapping **absolutely** harmless, air and grease proof, as used by all the leading Perfumers, Soap Manufacturers, etc., etc., for wrapping Soap, Drugs, Tablets, Bath Crystals, Perfumery, Surgical Dressings, Sponges, Puffs, Soothers, Tooth Brushes and all Articles of Toilet.

Cellophane can be had in sheets, all sizes and colours; also in the shape of **Bags, Discs, Envelopes**, printed or not, allowing the contents to be seen by transparency.

Cellophane wrapped goods **look better—keep better—sell better.**

Cellophane **protects, beautifies** and adds the quality touch.

*Prices, Samples and Particulars from*  
**The CELLOPHANE COMPANY**  
7, 8 and 9 Bird Street, LONDON, W.1

Also 305-7 PRODUCE EXCHANGE, MANCHESTER.  
35 MILLER STREET, GLASGOW.

## ENVELOPES

**BIRMINGHAM ENVELOPE COMPANY**  
LIMITED

7 Mary Ann Street, BIRMINGHAM,

*Manufacturers of Special Envelopes.*

GREASEPROOF and POWDER BAGS

PHOTO WALLETS

PRESCRIPTION WALLETS

TOOTHBRUSH ENVELOPES

TRANSPARENT ENVELOPES in any size and shape

*Samples and Prices on application.*

## NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessities from him. Moreover, the continuous demand for it produces a quick turnover.

*For Direct Terms apply to—*

**OSCAR SCRUTON & CO., YORK**

Give this Blade a Trial  
**"ECLIPSE"**



**A BRITISH BLADE WITHOUT A RIVAL.**

After two years of intense research  
the **"ECLIPSE" SAFETY RAZOR BLADE** is  
now offered to the public.

IT IS MANUFACTURED BY STEELMAKERS RIGHT  
FROM THE INGOT TO THE FINISHED BLADE.

*No extravagant claims are made*

OUR SLOGAN IS

**"GO BY RESULTS"**

We stand behind our Trademark, having confidence  
that each and every Blade will prove a Traveller

SUPPLIED THROUGH CHEMISTS, DEALERS, ETC. APPLY FOR TERMS TO

**JAMES NEILL & CO (SHEFFIELD) LTD**

CRUCIBLE STEEL MANUFACTURERS,

NAPIER STREET, SHEFFIELD.

# ATKINSON & BARKER'S INFANTS' PRESERVATIVE

THE BEST AND SAFEST INFANTS'  
MEDICINE OF OVER 120 YEARS' STANDING.

Prices and Terms on application to R. BARKER & SON, Ltd.  
13 Wesley St., C-on-M., MANCHESTER.

**DOES  
NOT  
CONTAIN  
any  
SCHEDULED  
POISON.**

## A SAFE RECOMMENDATION

You can safely recommend NEAVE'S FOOD to all your customers and be sure of giving complete satisfaction.

Endorsed by Doctors and Nurses; recommended by thousands of Mothers all over the world.

Write for free Advertising Literature to Neave's Food Ltd., Pordingbridge.

# Neave's Food

## MAJAX

The ideal milk sugar for babies. We are having direct orders from all parts of the country. Why not participate in this business?

For terms write to Proprietors

**MAWSON & PROCTOR, LTD.**  
NEWCASTLE-ON-TYNE.

Since—1927



Agent for Scotland:  
**ANDREW STEVEN,**  
7 York Street, Glasgow.

# COD LIVER OIL

GUARANTEED GENUINE. FINEST PURE LOFOTEN.

Manufacturers:

**BRÖDR. AARSÆTHER A/S, Aalesund, Norway.**  
LARGEST MANUFACTURERS OF COD LIVER OIL IN NORWAY.

Stocks always held in London.

In 25-gallon tin-lined barrels.

SOLE AGENTS  
FOR U.K.:

**FREUDENTHEIL, SMITH & CO.**

21 Mincing Lane, LONDON, E.C.3.

Tel. Add.: "FREUDENRUF."

Codes used: A B C, 4th and 5th Edit., Bentley's, and Private.

Tel.: ROYAL 6600.

**José  
Almego Ltd.**  
WINE SHIPPERS,  
Rua Elias Garcia 79,  
Villa Nova De  
Gaia,  
OPORTO.

DIRECT FROM  
THE GROWERS.

## To Chemists with Wine Licence only.

We are prepared to grant Agencies to licence holders for our celebrated Ports in districts not already represented.

**Almego's Invalid Port,**

**Almego's Ruby Port,**

**Almego's White Port,**

**The Marquis Port,**

**Grand Duchess Port.**

GOOD ADVERTISING MATTER.

For particulars of Agency, Samples and Prices apply to:—

**JOSÉ ALMEGO, Ltd.** London Office: **St. Mary's Chambers, 161a & 166 Strand, W.C.2**

TELEPHONE: CENTRAL 6511.

TELEGRAMS: "ALMEGOLIMI, ESTRAND, LONDON."

Enquiries for Agencies will receive immediate attention.

# THE DISCERNING CHEMIST

*stocks*

## Eiffel Tower Lemonade!

because he knows he has only to show it in his window and it sells itself. 35 years' reputation, backed by efficient advertising, brings clients to the chemist who lets the public know he stocks it.

*Address your enquiries on trade memo. to*

**FOSTER CLARK LTD., Dept. D, MAIDSTONE**



### Saint-Raphael

**Tonic, Restorative,  
Digestive Wine.**

**Known throughout the World,  
and prescribed in all cases of  
ANÆMIA, DEBILITY, and CON-  
VALESCENCE, to Young Women,  
Children and the Aged.**

**DOSE :** One wine-glass after the  
two principal meals.

**Recommended by—**  
PROF. BOUCHARDAT, Professor of  
Hygiene, Paris Faculty of Medicine.  
DR. MACNAUGHTON JONES, London,  
England.

"For more than thirty years St. Raphaël Wine has been exclusively prescribed, with success, in the Paris hospitals as a pure tonic, by eminent physicians, such as Magendie, Roson Chomel, Velpeau, Requin, Monneret, Trousseau, Grisolle, Laënnec, &c."—*Union Médicale*, May 8 and June 12, 1873.

"The 'Vin de St. Raphaël' is often used for ladies nursing their own children; it is preferable to stout, which creates an unhealthy fat."—*The Lancet*, London, England.

"St. Raphaël Wine is most precious in all cases where it is necessary to give tone to the system, without effort or shock."—DR. C. DES BARRES.

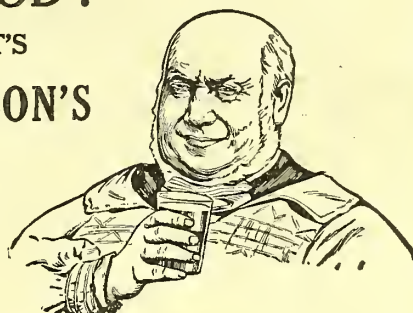
**Cie du VIN SAINT RAPHAEL, Valence, Drome,  
FRANCE**

**To be obtained from all  
Wholesale Druggists.**

**GOOD !**

IT'S

**MASON'S**



**MASON'S  
EXTRACT OF HERBS  
FOR PRIME BEER  
KNOWN ALL OVER THE WORLD.**

*Orders for delivery April 1st (with  
Window Display Allowance) are now  
being booked. Please apply for terms.*

**NEWBALL & MASON, Ltd., Nottingham**

# Collapsible Tubes



**Betts'**  
make  
the Best  
METALLIC CAPSULES,  
COLLAPSIBLE TUBES,  
SPRINKLER CORKS,  
TIN FOIL  
or LEAD FOIL.

**Betts & Co. Ltd.**  
1. Wharf Rd., City Rd.  
London N.1.

Established 1857

## Sherleys



### LACTOL &c.

(P.A.T.A.)

These preparations command a ready sale and are by far the largest advertised of any on the market. They are protected at prices that leave a good margin of profit for the retailer, and the terms on which they are supplied preclude any possibility of loss. We have an excellent range of literature and show cards, and do all in our power to assist chemists by referring mail customers to them.

WRITE FOR PRICE LIST AND TERMS.

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Tel. No.: Eop 1897.

Telegrams: "Sherleydom, London."

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### "ACME" WEED KILLER IN POWDER.

Instantly soluble in cold water. Packed in small decorated tins. Specially adapted for Export. Also LIQUID WEED KILLER, QUASSIA CHIPS, &c.

ACME CHEMICAL CO., LTD.  
TONBRIDGE - - - KENT

## NICOTINE INSECTICIDES

Are by far the most efficient and economical for destroying sucking Insects in Greenhouse, Garden, Orchard & Field

PACKED IN  
PURE NICOTINE, SOAP, POWDER,  
FUMIGATING & VAPORISING forms

Full particulars from:—

**J. D. CAMPBELL** Nicotine Manufacturer,  
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Every Wise Farmer  
Uses



### RETAIL PRICES.

2/9, 6/6, 14/6, and  
21/- per tin.

Invoiced to the  
Trade at

2/6, 5/6, 13/6, and  
20/- respectively,  
and subject to 20%  
discount.

Carriage paid on orders of  
40/- net. Postage charged on  
small lots.

**B. C. TIPPER & Son, Ltd.,**  
The Veterinary Chemical Works,  
BIRMINGHAM

# BAYER PRODUCTS

## - LIMITED -

beg to advise the Trade that their business address is now

# 19 ST. DUNSTAN'S HILL

# LONDON, E.C.3

Telephone: Royal 2833, 2834. Telegrams: "Bayaprod, Phone, London."

In effecting this change of address, which it is hoped will materially facilitate the transaction of business, the Company also desire to call attention to the fact that they have taken over the business in PHARMACEUTICAL PRODUCTS of Hoechst, Cassella, Kalle and Agfa, hitherto represented by Mr. A. C. Henry. All orders for these products should therefore be directed to the Company.

Attractive  
Displays  
will  
increase  
your  
Sales.

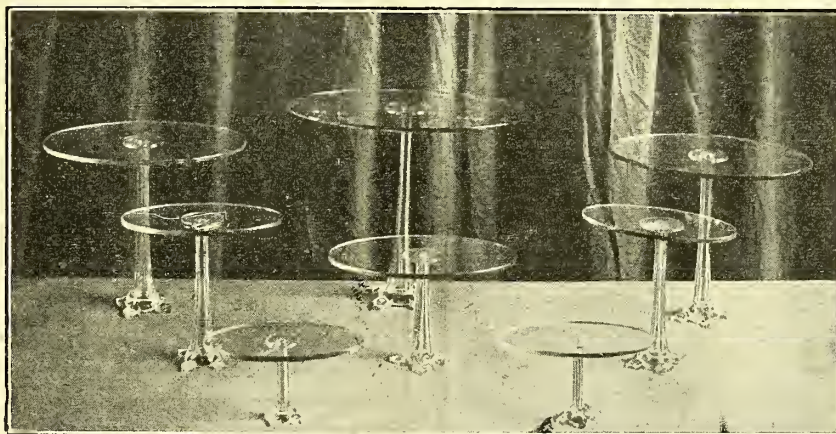


Plate glass  
Counters  
and  
Show  
Cases in  
Stock.  
Prices on  
Application.

No. CD 2200

This attractive All Glass Unit comprises :—2 each 4", 8" and 10", and 1 each 6" and 12" Glass Pedestals ;  
2 each 8"×4", 9"×5" and 10"×6", 1 each 11"×5" and 12"×8" Plate Glass Oval Shelves.

Price complete (carriage forward single sets, carriage paid London area 2 or more sets) .. .. . 22/6

Write or call for Illustrated  
Catalogue C9 to Display Fit-  
tings Dept., 32/34 Old Street,  
London, E.C.1.

## HASKINS

DISPLAY DEPT.,  
OLD STREET, LONDON, E.C.1.

'Phone : Clerkenwell, 3405/6.

Plate glass Shelves of all  
sizes in stock.

A visit to our Show Rooms  
would be appreciated.

All enquiries  
promptly attended  
to.

Head Office and Works : Walthamstow, London, E.17.  
Manchester Showrooms : 1 New Brown Street.

Orders of £2 and  
upwards carriage  
paid London area.

INVENTORS

**Small Rotary Pill Cutting Machine & Piping Press.****ASK YOUR AGENTS FOR PINDAR & CO.'S MACHINES—ORIGINAL MANUFACTURERS.**

This is a Machine specially constructed for the use of Chemists or Manufacturers of small quantities of Pills. Capacity about 5 lbs. per hour. Can be used on Counter or where little space can be spared. The Piping Press and Machine occupies a space of 2 ft. by 1 ft.

These Machines make one size Pill. By means of extra Plates and Rollers any size of Pills can be made.

Extra Plates and Rollers  
to fit Machines, £4 5 6.

**Price, the two machines, £12.****SMALL LEVER HAND TABLET MACHINE, 60 TO 80 PER MINUTE, £7 15**

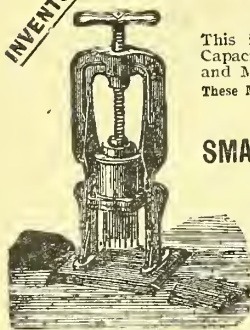
Power Tablet Compressing Machines, Coaters, Complete Pill Plants, End Runner Mills for Ointments, Linseed Grinding Mills, Tincture Presses, Emulsifying Machines, Percolators, &c., Mixing and Kneading Machines, Drying Ovens, Hand Pill Machines.

**COLD COMPRESSION SUPPOSITORY MACHINES.****SUPPOSITORY AND PESSARY MOULDS, LIP SALVE MOULDS, Etc.****J. W. PINDAR & CO., LONDON, S.E.4.**

Works: ENDWELL ROAD, BROCKLEY, LONDON, S.E.4.

Telegrams: "Pindar, Brockley, S.E."

Telephone: 1065 New Cross.



PIPING PRESS

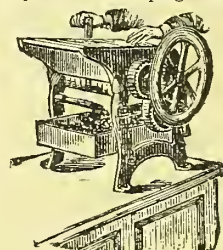
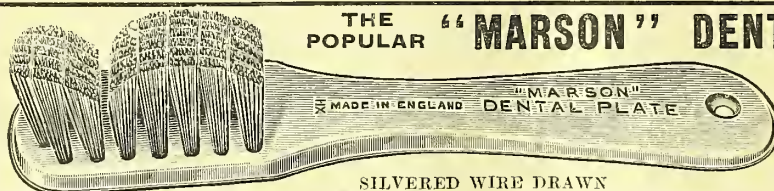


Fig. B. No. 2

ROTARY CUTTING MACHINE

**THE STANDARD GLASS & HARDWARE CO., LTD.**BOTTLES  
and JARSCHEMICAL  
GLASSWAREMEDICAL and SURGICAL  
GLASSWARESODA FOUNTAIN GLASSWARE  
ICE SHELLS all kindsSTRICTLY  
WHOLESALE ONLY**26 FINSBURY SQUARE, LONDON, E.C.2.**Telephone:  
Clerkenwell 1772THE  
POPULAR**"MARSON"****DENTAL PLATE BRUSH**

MADE IN ENGLAND

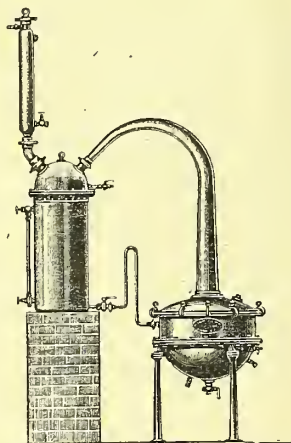
"MARSON"  
DENTAL PLATE

SILVERED WIRE DRAWN

IN STIFF UNBLEACHED BRISTLE  
Best English Make. Packed in Cartons.  
SAMPLES AND PRICES ON APPLICATION

**C. F. MARSHALL & SON**

Devonshire Works, Devonshire Rd.,  
HACKNEY - LONDON, E.9

**STILLS, VACUUM STILLS, VACUUM PANS.**

EVAPORATING PANS

AUTOClaves AND DIGESTORS

**SPECIAL APPARATUS AND PLANT  
FOR MANUFACTURING CHEMISTS.**

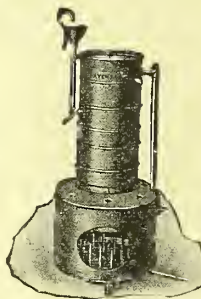
Sole Makers of Bennett's Patent "Ideal" Annular  
Film Condensers. Shears' Patent Mulser.

**BENNETT, SONS & SHEARS, LTD.**

Engineers &amp; Coppersmiths

43 &amp; 44 Shoe Lane,

LONDON, E.C.4

**DISTILLED WATER**

Brown's Stills are perfectly  
automatic. Can be run night  
and day without attention.  
Patented in U.K. and Con-  
tinental Countries.

Extraordinarily efficient and  
economical. Made for gas,  
steam, oil or coke fire heating.

Full particulars and prices free on application

**BROWN & SON,**

Alembic Works,

Wedmore Street, Holloway, N.19

**BATTLE'S  
VERMIN  
KILLER**

Of all Patent Medicine  
Houses at 3/-, 5/- and  
9/- per dozen.

In packets at 5d., 9d.  
and 1/3 each.  
(P.A.T.A.)

The sure destructive agent which may be con-  
fidently recommended by Chemists for quick  
clearance of rats and mice. (Users' testimonials  
on request.)

Prepared only by

**J. C. M. BATTLE, Ph.C., LINCOLN**



## STAND ALONE

Potter's Catarrh Pastilles are of outstanding merit and efficacy. They are well advertised to the public and are in great demand. Look to your stocks.

P.A.T.A. 1s. 3d. 11s. 0d. per doz.

IN BOXES OF  $\frac{1}{2}$  DOZ.



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Telephones :  
BISHOPSGATE 1033-4-5.

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"HOREHOUND, PHONE, LONDON."

MANCHESTER: 24 LUNA ST., GREAT ANCOATS.

# PRECIPITATED CHALK

**LIGHTEST, MEDIUM, DENSE**  
And All Other Grades To Suit Every Purpose  
**CHEMICALS FOR ALL INDUSTRIES.**

'Phone: Central 4613. Tel. Ad.: "Levermore, Phone, London."  
**A. LEVERMORE & CO., LTD.** ABC Codes  
8-10 GT. ST. HELENS, LONDON, E.C.3 5th & 6th Editions

## FRED K. FINK & CO.

10 & 11 MINCING LANE, LONDON, E.C.3.

GUMS, ARABIC and TRAGACANTH as Imported or  
Finely Powdered. :: SHELLACS ALL GRADES.

## Pyrogallic Acid Gallic Acid

Manufactured by **J. L. ROSE, Ltd.**

At ABBEY ROAD, BARKING, LONDON, E.  
Wholesale and Export only.



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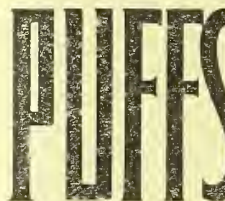
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TOUCH THEM UP WITH

### TATCHO-TONE

and they will instantly recover their  
natural shade. Medical Guaranty with  
each bottle. Chemists' Prices 2/6 and 4/6

TATCHO-TONE CO., 5 Great Queen Street, London, W.C.2



FOR BOWLS....  
" NURSERY...  
" PRESENTATION  
" VANITY BOXES  
HANDKERCHIEF PUFFS  
NOVELTY PUFFS

*The Reliable House*  
FOR EVERYTHING IN PUFFS

**SPENCER BROS.**  
17 FARRINGTON AV. E.C.4  
TEL CENTRAL 3469

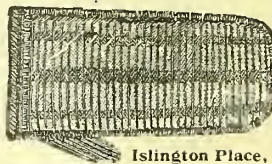


## SHADEINE

For COLOURING GREY HAIR.

This popular article is largely advertised  
and stocked by all Wholesale Houses.  
Trial size 8d. per doz. ... 6/-  
1/4 size, per doz. ... 12/-  
2/6 size, per doz. ... 24/-  
3/9 size, per doz. ... 36/-

The SHADEINE CO., 58 Westbourne Grove, London, W.2.



Specialists in the Manu-  
facture of—  
**HORSEHAIR FLESH  
GLOVES,  
BATH GLOVES &c.**

Wholesale and Export.

**LAWRENCE & CO.**  
Islington Place, Clouesley Road, London, N.1.

### MRS. PARKER'S

## QUIN-JULIP

"THE QUEEN OF HAIR TONICS."

Shows a nett retail profit of 1s. 8d. per bottle.

Sale or return.

Attractive Booklets, for counter display, sent on request.

Write **J. HARLEY PARKER, Ltd.**, 117, St. George's  
Road, Belgravia, London, S.W.1. Established 1812.

### FRIZZETTA

KEEPS THE HAIR  
IN CURL,

2/-

### PELLETTA

FOR THE  
COMPLEXION

1/4 3/3

### SE-TABA TABLETS

THE NEW  
NERVE TONIC

1/3 3/-

BEST TERMS, 3 DOZEN ORDERS ASSORTED, CARRIAGE PAID.  
ALL WHOLESALE HOUSES. P.A.T.A.

Maker: **F. W. BATES, Brooks's Bar, MANCHESTER.**

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NORMAN C. LAKE, M.D., M.S., D.Sc., F.R.C.S.

250 pp.  
10/-  
(Post 6d.)

Although addressed primarily to Chiropractors,  
the subjects dealt with cover a wide field, and  
will be found equally valuable and instructive  
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A Revision Course for the **JULY QUALIFYING EXAMINATION**  
will commence on April 25th. Fee £8 8s. 0d. Full particulars from  
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GOOD SERVICE.**

We invite clients to inspect  
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under which we work.

WRITE FOR PRICE LIST.

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**POWDER 1/6 & 3/- tins**



FOR  
LICE ON  
CATTLE  
& ALL  
ANIMALS



Direct or from  
Wholesale Houses

NO SIGNATURE  
REQUIRED

**CORRY & CO.**  
Shad Thames,  
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## RIEDEL'S FINE CHEMICALS (THE FINEST)

(Bromides, Chloral Hydrate, Extr. Filicis, Hexamine, Methyl-  
Sal., Methyl-Sulphonal, Pepton-Witte, Phenacetin, Sulphonal,  
Rochelle Salts, Soda Benz., &c., &c.) Riedel's PARIS GREEN  
always in stock.

Prices and information from

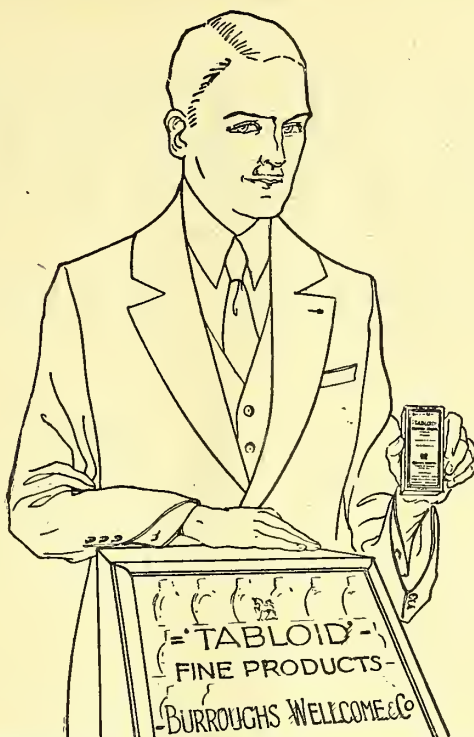
**W. BREDT, 41 Great Tower Street, London, E.C.3**  
Sole Agent for Riedel's Bulk Goods, U.K. and Ireland.

## EXCLUSIVELY A PHARMACY LINE

**P.P.T. PY-SHAN POINTS TEA**  
SECURES YOU REGULAR CUSTOMERS  
AND 7d. PER POUND PROFIT.

Write for full particulars to— **Thos. Christy & Co., 4/12 Old Swan Lane, E.C.4**

The  
reputation  
of  
'TABLOID'  
Products  
is  
unassailable



Use it  
as a  
weapon  
to  
combat  
inferior  
goods

TRADE  
MARK

## 'TABLOID' BRAND ASPIRIN

You cannot afford to sell cheap tablets of dubious quality. Each 'TABLOID' ASPIRIN product contains precisely the stated weight of pure acetylsalicylic acid unadulterated with talc, boric acid or objectionable admixture.

Bottles of 25 and 100, gr. 5, at 10/- and 30/- per doz.  
Also 0.5 gm., at 15/- and 45/- per doz. (subject)

TRADE  
MARK

## 'TABLOID' BRAND CASCARA SAGRADA

Never varies in quality, activity or appearance. This product does not gripe: is precise in shape and finish. The sugar-coated product never cracks or discolours.

Bottles of 25 and 100, gr. 2, at 7/- and 18/-  
per doz. (subject)

Also in the following strengths: gr. 1, gr. 3,  
gr. 4, gr. 5, 0.15 gm. and 0.25 gm.



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CACHETS, & APPARATUS.  
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PADS.  
ZEPHYR BUTTONHOLES.  
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Also Special Agents for  
JELLOIDS.  
IRON JELLOIDS.  
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## A WEEKLY JOURNAL OF PHARMACY AND OF THE CHEMICAL AND DRUG TRADES

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in the Overseas Dominions.

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## Recent Patents

Abstracts of specifications of recently-granted patents for inventions. The complete specification (1s. each including postage) of any British patent can be obtained from the Patent Office, 25 Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

**Detergent Agents.**—A process for making soaps and detergents from potato pulp, whereby the latter is digested with caustic alkali, followed by the admixture of fatty acids and saponifiable oils. (Colloidal Products Co., and R. M. Pettit. 243,735.)

**Bismuth Salts.**—A process for the manufacture of basic bismuth salts of aryl-arsinic acids, consisting in precipitating a solution of a bismuth salt with the solution of a salt of an aryl-arsinic acid in excess. (R. W. E. Stickings and May & Baker, Ltd. 266,820.)

**Manufacture of Solutions.**—A process for the manufacture of solutions of resins, cellulose esters, and any dye in admixture therewith, by dissolving them in a liquid containing a substantial proportion of a monoalkyl ether of ethylene, propylene, or butylene glycol, with the exception of glycol mono-ethyl ether. (I. G. Farbenindustrie A.G. 252,203.)

## English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

### Contracts

The following tenders have been accepted by the bodies named:—

Bristol Corporation.—Ferris & Co., Ltd., drugs and dressings.

Canterbury Town Council.—Walker & Harris, Ltd., chemists, drugs.

Dartford Guardians.—Boots, Ltd., drugs and sundries.

East Ham (London) Corporation.—Burgoyne, Burbidges & Co., Ltd., drugs; Fairbank Kirby (Grimsby), Ltd., drugs; S. Maw, Son & Sons, Ltd., sundries.

Liverpool Corporation.—Evans Sons Lescher & Webb, Ltd., drugs and sundries; R. Sumner & Co., Ltd., drugs; Alexander & Fowler, sundries; White & Wright, sundries.

Malvern Urban Council.—Mr. C. H. Derbyshire, Ph.C., drugs.

Narberth Guardians.—Mr. W. P. Morgan, Ph.C.; drugs.

Peterborough Guardians.—Boots, Ltd., drugs.

Wattford Guardians.—E. M. & M. T. Chater, chemists, drugs and dressings.

Whitby Urban Council.—Mason's Drug Stores, Ltd., drugs, etc.

### Private Arrangements

The creditors of Mr. J. W. L. B. Fyfe, "druggist," Newton Drive, Blackpool, were called together on April 8 at Blackpool, when a statement of affairs was submitted which disclosed liabilities £919 7s. 3d., of which £497 7s. 3d. was due to the trade, and there were cash creditors for £322. The assets consisted of stock estimated to realise £240 and other items, making total assets £334 0s. 9d. (net £254 0s. 9d.). It was reported that the debtor commenced business in June 1924 with £50 capital of his own. He borrowed a sum of £250 from relatives. The debtor had lost approximately £157 on the trading. His drawings had never, it was stated, exceeded £2 5s. weekly, and the average takings had been between £15 and £20 a week. He offered to pay, if allowed to continue to trade, a composition of 10s. in the £. It was decided to confirm the deed of assignment already executed, and a committee of inspection was appointed. The following are among the creditors: Ayrton, Saunders & Co., Ltd., £80; C. W. Critchley & Co., Ltd., £38; Southall Bros. & Barclay, Ltd., £24; Hirst, Brooke & Hirst, Ltd., £24; R. Sumner & Co., Ltd., £20.

The creditors of Mr. P. Phillips, chemist, New Park Road, Streatham, London, S.W., were called together recently. Mr. S. Butchins, accountant, reported that, so far as he had been able to ascertain, the liabilities to trade creditors amounted to approximately £350, while there were cash creditors for £625. The stock was estimated at cost at £100, and there were fixtures and fittings valued at £30. The debtor commenced business in January 1926. He bought the concern for £350. At that time he had no capital, and borrowed £350 from relatives. He had since obtained further advances. At the outset he had liabilities of £120, which had since been paid. When the debtor took the business over he estimated that the turnover was £9 weekly. He had increased the turnover to about £20 per week, but latterly it had fallen to £10 weekly. The relatives of the debtor's wife were prepared to pay to the trade creditors a composition of 5s. in the £. The creditors decided to accept the offer. The following are among the creditors:—Butler & Crispe, £108; Icilma Co., Ltd., £20; Cupal, Ltd., £15; Illingworth & Co., Ltd., £10; John Bell, Hills & Lucas, Ltd., £10; Veno Drug Co., Ltd., £10.

### Inquests

At Harrow, on April 8, an inquest was held on the body of Alexander Hammond, a member of the Kodak works fire brigade. Evidence showed that while engaged in life-saving practice, Hammond fell a distance of thirty feet to a pavement. A verdict of "Death by misadventure" was recorded.

At Berwick, recently, an inquest was held on the body of Ralph A. Morrison, Weatherley Square. A daughter of the deceased deposed that on being called to his house she found him trying to make himself sick. He had brought home a flask of spirit similar in shape to a liniment bottle which he kept. An analysis of the liniment showed the presence of turpentine, camphor, and acetic acid. A verdict was given in accordance with the evidence.

The inquest on the body of Mr. Ernest A. R. White, Crookham Road, London, S.W., which was adjourned after the statement of Dr. Brontë, that the possibility of poisoning could not be excluded (*C. & D.*, March 19, p. 335), was concluded on April 11. Dr. G. R. Lynch, senior analyst to the Home Office, now stated that he made an analysis. He detected no trace of poison in any of the organs. Dr. Brontë gave the result of his *post-mortem* examination, and the jury returned a verdict of "Death from natural causes."

An inquest was held at Shrewsbury, recently, on the body of Henry Furber, Leek Street, Wem, who was found at his home suffering from the effects of poison. Mr. Llewellyn J. Guest, chemists' assistant, gave evidence to the effect that Furber purchased a shillingsworth of ammonia, and on being asked what he wanted it for replied that it was for cleaning purposes. A hospital surgeon stated that a drachm of ammonia was a fatal dose, but Furber must have drunk more than an ounce. The verdict was "Suicide during temporary insanity."

The South London coroner held an inquiry, on April 8, concerning the death of Miss A. J. Simeon, M.A., an inmate of Camberwell House Asylum. The medical superintendent of the asylum stated that Miss Simeon, when admitted, was suffering from delusions. As her health improved he allowed her to go out by herself. She was forbidden to enter a chemist's shop or to purchase any drugs. She had never shown any suicidal tendencies. On April 4 she was found unconscious as the result of taking disinfectant, and subsequently died. The jury returned a verdict of "Suicide while of unsound mind."

### Birmingham

Sir Charles Hyde has given the sum of £5,000 to endow five "Lister" beds in Birmingham hospitals.

Mr. H. I. Jones, who has been for thirty-two years a local food and drugs inspector, and is well known to chemists, was presented recently with an illuminated address in appreciation of his services.

Among the advertisements selected in a "Birmingham Post" article (April 8) from an old railway guide, published in 1838, one finds that of "Philip Harris, chemist in the Bull Ring," founder of P. Harris & Co., Ltd., Edmund Street.

A local paper, in a recent article on aviation, referred to "the skin of a goldbeater—a small American quadruped," and stated that in the construction of a dirigible over 500,000 of these animals were required. A veterinary surgeon afterwards wrote correcting the "howler."

### Liverpool

The Liverpool Pharmacy Club intend holding a social evening at Haden Café, Whitechapel, on April 27.

Chemists who deal in photographic materials hope for improved business during the Easter holidays. A fair demand for films is reported.

### Manchester

With the advent of summer time, James Woolley, Sons & Co., Ltd., are closing their Victoria Bridge premises at 5.30 p.m. every evening except Saturday.

Several attractive window displays of waterglass are being made. One, which has proved "worth while," has a realistic nest of straw, containing eggs, as a centrepiece.

The cold and uncertain weather of the last week has not been conducive to any improvement in trade. It has been noticed that Manchester has had only one fine Saturday since Christmas.

A South Manchester chemist was asked the other day by a little girl for "one ounce of business tablets,"

meaning bismuth tablets. A commercial traveller remarked on hearing the incident that if the chemist sold such a preparation he would gladly purchase some.

The Manchester and District Pharmacists' Golfing Society are having their first meeting of the season on April 20, at the Chorlton Golf Links, when members will compete for the prize given by Mr. A. J. Pidd (President). Members unable to be present are asked to notify the secretary (Mr. P. W. Stuart).

### Sheffield

Chemists' accounts for Insurance dispensing during the month amounted to £2,625 13s.

Lecturing on National Health Insurance, before a local society, recently, Sir William Hart, the town clerk, pointed out that the number of prescriptions in the twelve areas served by the Sheffield pricing bureau had grown in two years from about 2,000,000 annually to a figure approaching 3,500,000. The Insurance Committee attributed the increase to: (1) Unemployment; (2) less prejudice against the system; (3) people taking better care of their health; (4) people feeling unwell going to the doctor instead of to the chemist for medicine. The chemists, according to Sir William, said that the prescribing part of their business had nearly gone.

### Miscellaneous

**POISON-LICENCE APPLICATION.**—Mr. L. Haygarth, Dent, has applied to the West Riding (Yorkshire) County Council for a licence under Section 2 of the Poisons and Pharmacy Act, 1908.

**COUNCIL ELECTION.**—A joint meeting of London chemists' associations, promoted by the South-Western Association, will be held at the Young Men's Christian Association, Tottenham Court Road, W.1, on May 3. The following candidates for election to the Council of the Pharmaceutical Society have promised to be present:—Mrs. Freke, Mr. Barrs, Mr. Guthrie, Mr. Hardy, Mr. Hayball, Mr. Jack, and Mr. Keall.

**FIRES.**—The following outbreaks of fire have been recorded since our last report:—An outbreak of fire which occurred on April 3 at the Strand premises of F. B. Wride & Co., chemists, Southampton, is believed to have been caused by a carboy focusing the sun's rays on a curtain. The damage was slight.—A fire broke out on April 8 in the warehouse of Mr. F. G. Beeson, chemist and druggist, Ludlow. The flames were soon extinguished by the fire brigade.

**LISTER CENTENARY.**—The Lister centenary celebrations in London, recorded in our issue of April 9 (p. 442), were continued on April 7 with a reception at the Wellcome Historical Medical Museum, at which Sir W. Watson Cheyne, Bt., acted as chief host in Mr. Wellcome's unavoidable absence. Addresses were delivered by Professor Archibald Young (Glasgow) and Sir St. Clair Thomson, after which the distinguished company inspected the exhibits arranged in commemoration of the centenary.

**UREA AND THE SAFEGUARDING ACT.**—The Board of Trade give notice that representations have been made to them under Section 10 (5) of the Finance Act, 1926, regarding the removal of urea from the schedule to Part I of the Safeguarding of Industries Act on the ground that it is not made in sufficient amounts in the United Kingdom. Any person desiring to communicate with the Board of Trade in respect to the above-mentioned application should write to the principal assistant secretary, Industries and Manufactures Department, Board of Trade, Great George Street, S.W.1.

**BRUSH-MAKING CENSUS.**—The production of tooth-brushes in Great Britain during 1924 (according to the Board of Trade Census) amounted to 528,000 dozen, the selling value being £271,000; they consisted of 4,000 dozen in celluloid; 22,000 dozen in bone, machine filled; and 502,000 dozen in bone, hand drawn. Of shaving brushes the output was 86,000 dozen, with a selling value of £100,000. The records, compared with 1907, when the last census was taken, suggest an increase in quantity as well as in value of output. The supply, however, would need to be more than trebled to provide one new brush yearly for each potential purchaser.

**VISIT TO WORKS.**—The pharmacy students of the Leicester College of Technology recently visited the laboratories of John Richardson & Co. (Leicester), Ltd., in Evington Valley Road. The party was welcomed by Mr. Heselton (general manager) and conducted through the various departments, much interest being shown in the pill- and tablet-making rooms, where the processes of gelatin coating and polishing were explained. Another department which attracted much attention was that in which the scale compounds of iron are made. The preparation of chemicals such as the bismuth salts was explained by Mr. Brattley, the firm's chief chemist. A vote of thanks to the directors and the staff was passed.

**IN THE COURTS.**—At Marylebone Police Court, London, on April 11, the proprietors of Simpson's Garage, Porchester Square Mews, W.2, were summoned for not having their names at the head of an order form. The magistrate said that in his view he would be stretching the law if he said that the order form was a business letter. He did not think it was, and the summons would be dismissed.—At Newcastle-upon-Tyne Police Court, recently, Joel Block, surgical instrument maker, was fined £10, with £3 13s. costs, on two charges of selling poisonous disinfectants not duly labelled.—In Shoreditch County Court, on April 12, H. Gordon (London), Ltd., druggists' sundriesmen, City Road, E.C., obtained judgment against Mr. A. Carter, traveller, Cardiff, in the sum of £15 15s. 9d. for samples supplied. The defendant was not represented.

## Scottish News

### Scottish Chemists' Golf Trophy Competition

The competition for the Scottish Chemists' Golf Trophy, open to all connected with pharmacy in Scotland, will take place over Gleneagles on May 11. The premier award, the "Travellers' Trophy," is open only to the retail trade, but besides the usual prizes open to all-comers, others have been presented this year, including "Scratch" prize, by Duncan, Flockhart & Co., Edinburgh; "John Greig" prize, by Allen & Hanburys, Ltd., for the best fifteen holes under handicap; and veterans' prizes. Entries, with entrance fee of 2s. 6d., should reach the secretary, Mr. James Finlay, 302 Morningside Road, Edinburgh, not later than April 22.

### Commercial Travellers' Benefit Society

The twenty-fifth annual report and statement of accounts of the United Kingdom Commercial Travellers' Benefit Society for the year ended December 31, 1926, presented at the annual meeting held in Glasgow on March 26, showed a membership of 7,580, and a subscription income of £66,261, both being an increase on the previous year. During 1926 sickness benefit paid out amounted to £14,168, bringing the total expended in this direction since establishment of the society to £151,370; and the amount advanced to members for house purchase was £126,930. Mr. H. W. Harrie (C. H. Harker, Stagg & Morgan, Ltd., manufacturing chemists, London, E.1) was elected chairman.

### Brevities

Mr. J. Y. Torrance, chemist and druggist, has been appointed treasurer of East Linton Bowling Club.

In the course of the week-end five additional cases of small-pox were reported at Dundee, bringing the total number to eighty-eight.

In connection with the Hamilton "shopping week," Mr. James Lohar, chemist and druggist, Cadzow Street, has been offering a free gift to every purchaser.

M. GORGEUX, 91, rue du Temple, Paris, having refused to put up his shutters one Sunday, was the object of an attack by some chemists' assistants and others. He brought an action for damages against the secretary of the Pharmacy Assistants' Association "and all others" in a Paris police court. Judgment was given for 500 francs to be paid to him jointly by the secretary himself, his Association, the Prefect of Police, the Prefect of the Seine, and the Minister of the Interior.

## Irish News

### Brevities

Mr. James Stewart, R.D., has opened a Medical Hall in High Street, Ballymoney.

The partnership between Clare O'Kelly, P. J. O'Kelly, and Mary Teresa McGarry, trading as the "Shandon Pharmacy," Shandon Street, Cork, as pharmaceutical chemists, has been dissolved as from September 30, 1926. The business will be continued by Clare O'Kelly and P. J. O'Kelly.

It is announced that the long-standing difficulty in regard to registration of medical practitioners in the Irish Free State has been solved. The present system of general medical registration by the British Medical Council will continue, but in order to meet the wishes of the Free State Government in regard to the control, registration, and discipline of Irish medical practitioners a separate medical register, with a supervising medical council, will be established in Dublin. This arrangement will hold good until either party decides to abrogate it.

An article appeared in the "Irish Times" recently, pointing out that buyers of English patent medicines are paying a stamp tax, not to the Free State, but to England. The article states: Up to the time of the Treaty this stamp appeared on every bottle of patent medicine imported into the country, but since then it has disappeared from a few lines of patent medicine for which there is a big demand in the Free State. On the remainder of the patent medicines coming into the Free State the tax is still being paid. The explanation of this is that, while the manufacturers who have a large export trade with the Free State provide special lines for Ireland which are not taxed, those whose trade here is comparatively small do not think it worth while to alter their customary procedure of placing revenue stamps on the packages. . . .

### Belfast

At a meeting of the Belfast Corporation on April 1, Mr. Thomas McErvel (T. & J. McErvel, Ltd., seedsmen, Victoria Square) was granted a licence under the Poisons and Pharmacy Act, 1908, to sell sheep dip, etc.

At Belfast Commission, on April 7, before Lord Justice Andrews, Alfred May, who pleaded "Guilty" at the previous Commission to having a "dangerous" drug in his possession and had been in prison since then, was put forward for sentence. Dr. P. J. O'Flaherty said that May's detention had lessened his craving for drugs. He did not feel that any useful purpose would be served by detaining him any longer. His lordship then discharged the accused, having cautioned him that if he relapsed he would find himself back in prison.

## Canadian Notes

**LIQUOR CONTROL BILL.**—Members of the Ottawa Retail Druggists' Association are in agreement with the terms of the Ontario Liquor Control Law which is to become effective about May 15. Under the new legislation druggists are barred from selling liquor, and any person found selling liquor within the Province will be imprisoned for the first offence without the option of a fine. The Provincial Government is to sell the liquor, and permits are being issued to residents, tourists and special individuals to purchase it from the Government stores. Druggists will be enabled to purchase (from the Government) certain quantities of alcohol and liquors for medicinal purposes only. Incidentally, doctors' prescriptions for liquor are also abolished. Under the old law the physicians were practically the principal agency for the sale of liquor in Ontario under a prescription system, the number of prescriptions for quart bottles of liquor being limited to 50 per month per physician. They could also prescribe six-ounce quantities. The system was obnoxious to both doctors and druggists, and certain abuses crept in.

## Legal Reports

**A Different Iodide.**—At Biggleswade Sessions, recently, Mr. William H. Scott, chemist and druggist, Sandy, was summoned for having supplied a mixture containing potassium iodide instead of ammonium iodide. It was stated for the prosecution that the prescriber would be at a loss when his patient did not yield to treatment as expected. Mr. William A. Palmer, the assistant who dispensed the prescription, gave evidence to the effect that ammonium iodide was very rarely used, and that he mechanically picked up the wrong bottle. A fine of £2, with £1 14s. costs, was imposed.

**Dutiable Medicine Sold in Market.**—At East Dereham, on April 8, Frank Buckingham, King's Avenue, London, S.W., and John F. MacLennan, Holton, Hastings, were summoned for having sold a preparation known as yellow ointment without a medicine stamp on the box. They were also summoned for vending medicine liable to duty without having a licence. They pleaded "Guilty" to both summonses. A local Excise officer said that a pamphlet advertising the ointment came into his possession, and he subsequently purchased a box of the ointment which the defendants were selling in Dereham Market Place. He paid 1s. MacLennan said they found they had rather exceeded what they were permitted to do in the pamphlet, and they had the rest destroyed; but the witness said that there were similar circulars on the stall when he purchased. The defendants were each fined £1, with 8s. costs.

**Unauthorised Possession Charge.**—At Bow Street Police Court, London, on April 11, Ralph Edwards (36), Junction Road, N., described as a chemist, was charged with being in unauthorised possession of cocaine. Police evidence was given to the effect that the accused at first professed to be Mr. R. M. Edwards, chemist and druggist, Battersea Park Road, S.W., but afterwards stated that Mr. Edwards was his brother. A remand was ordered. —On the following day Detective-Inspector Burnby, recalled, said that on April 9 he had seen the accused at a chemist's shop in Charing Cross Road, where he was employed, and told him that he was a police officer making inquiries respecting 5 gr. of cocaine and 54 gr. of morphine missing from the stock of that establishment. The prisoner then explained that a bottle containing cocaine had been accidentally broken and the contents spilt into a drawer. He gathered up as much as possible and replaced it in another bottle. Witness subsequently went to houses in Junction Road, N., and Hayden Road, Bushey, where prisoner had resided, and took possession of certain correspondence, a number of bottles, and a packet of white powder. The prisoner was suspected of obtaining quantities of cocaine by personating people who were authorised to deal in the drug. The hearing was adjourned, and an application for bail was refused.

**An Estoppel.**—In the Mayor's and City of London Court, on March 31, a claim was made by Roneo, Ltd., Holborn, W.C., against Birkett's (Dentists), Ltd., East India Dock Road, E., for the sum of £20 2s. for a duplicating machine supplied in November last. The plaintiffs' case was that, in response to a communication, a salesman attended with a machine, and gave a demonstration at the defendants' premises. Subsequently an order, written upon the defendants' notepaper, and signed by a man named Montague, "per pro Birkett's (Dentists), Ltd.," was received, and the machine was left. Later an invoice was sent, but the defendants wrote stating that the machine was left on approval, and they had decided to return it. The defence now put forward was that Montague was in no way connected with the defendant company, and had no authority to give the order. Mr. Batty, a director of the defendant company, admitted that Mr. Montague was in some way associated with Mr. Birkett, the defendants' managing director, but it was in connection with a chemists' sundries business, separate from that of the defendants. Judge Shewell Cooper held that the defendants, by permitting Montague to be on their premises regularly, and to give an order upon their notepaper, were estopped from denying that they were responsible for payment. He gave judgment for the amount claimed; with costs.

**Wrongful Distrain.**—In the King's Bench Division of the High Court, London, on April 12, Mr. James Francis Buckley and Mr. Charles William Edward Bowker, trading as the Buckley-Bowker Tablet Co., sued Mr. William Stoddart, Islington Green, N., for wrongful distraint of their goods and damages. The defendant contended that he was entitled to seize the goods for rent owing to him by Mr. Brougham Young, F.C.S., who, he alleged, was in partnership with the plaintiffs. It appeared that in January 1923 the plaintiffs began business as manufacturing chemists and makers of tablets, and Mr. Young, a manufacturer of pharmaceutical machinery, offered them the use of machinery he had on premises belonging to Mr. Stoddart at Islington Green. The plaintiffs' contention was that Mr. Young was to be paid commission on orders received, but the defendant contended that Mr. Young was a partner, and that he rightly distrained on goods on the premises for rent due. The goods on the premises included drugs and raw materials. His lordship found that the goods of the plaintiffs had been distrained upon, and that they were not in partnership with Mr. Young. There was an adventure, he said, in which the parties were interested in different ways and capacities, but there was no partnership. He made a declaration that the plaintiffs were entitled to the goods distrained, and awarded the plaintiffs £100 damages and costs.

**Dental Board Prosecution.**—At West Ham Police Court, London, on April 7, Mr. William Birkett, Barking Road, Plaistow, was summoned for practising dentistry in contravention of the Dentists Act, 1921, and for holding himself out as practising or being prepared to practise dentistry. Mr. J. B. Blyden prosecuted for the Dental Board, and at the outset withdrew the summons alleging that Mr. Birkett had practised dentistry. Evidence was given by an official of the Dental Board that the defendant's name was erased from the Dentists Register on June 1, 1926. Two witnesses deposed that on the defendant's window was "Mr. Wm. Birkett, Dentist," and on doors leading into the premises was lettering showing "Birkett's (Dentists), Ltd.," and also "Mr. Wm. Birkett, Dental Practitioner." Mr. Abinger, for the defendant, denied that the words alleged were exhibited. He suggested that this was a spiteful prosecution inspired by relatives of the defendant. The defendant was the director of a company carrying on business, and all their dental work was done by registered and qualified men. The defendant, giving evidence, said that since his name had been erased by the Dental Board he had not described himself as a dentist. He had put up "Late Dentist," and also "Dental Prosthetician." Evidence was given by four witnesses that the words alleged by the prosecution were not exhibited, but the magistrate said he was convinced that the word "practitioner" had been altered to represent a mechanic. A fine of £40 was imposed, and the defendant was allowed £10 10s. costs on the withdrawn summons.

**Sale of Food and Drugs Acts.**—At Kensington (London) Petty Sessions, on April 5, Arthur R. Tims, grocer, Addison Avenue, W., was fined 20s., with 10s. 6d. costs, for having sold vinegar found to be deficient in acetic acid to the extent of 40 per cent.—At West Ham Police Court, on April 6, a summons in respect of the sale of baking powder by James Frederick and Rose E. Fells, Grange Road, Plaistow, was withdrawn. The certificate of the West Ham public analyst, which had previously been put in, gave the available carbon dioxide as 0.4 per cent.; but the report of the Government chemist now produced showed the proportion to be 4.83 per cent.—At Salford, on April 6, the Meadow Dairy Co., Ltd., were fined £20, with £2 2s. costs, for the sale of jam advertised as being made from "freshly gathered whole fruit ripe and perfect," but found on analysis to be coloured with an aniline dye and to contain fruit pulp preserved with sulphur dioxide. The Salford public analyst's certificate stated that the proportion of sulphur dioxide present was 20 parts per million.—At the Guildhall Justice Room, London, on April 12, Mr. A. P. Tait, chemist and druggist, Basinghall Street, was summoned for having sold liniment of turpentine which was deficient in rectified oil of turpentine to the extent of 44 per cent. Mr. L. Dennis, who defended, said that

the defendant must plead "Guilty." He purchased this business a few years ago, and among the stock was this liniment. The Alderman: The onus is upon the defendant to see that what he supplies to the public is in conformity with the law. There will be a fine of £5 and £1 ls. costs.

**Dispute over Appliances.**—In the King's Bench Division of the High Court, London, on April 12, Mr. Justice MacKinnon heard an action brought by Mr. Reuben Henry Dent, Wigmore Street, W., proprietor of the instrument called the Ardent Acoustique, against Mr. Sydney Wilfred Bussell, Hawthorn Road, Willesden, experimental engineer and manufacturer of mechanical and scientific instruments and apparatus. The plaintiff claimed to recover the sum of £1,000 paid to the defendant under an agreement of December 1925, under which the defendant was to set up a factory and make deaf-aid instruments which the plaintiff was to take from him to the value of at least £2,000 in a year. The plaintiff alleged that no completed instruments were delivered to him, and that defendant had done nothing in fulfilment of the agreement. He accordingly sought the return of the money on the ground of failure of consideration. His lordship said that certain battery cases and receivers were supplied by the defendant, who, however, had not got into working order a factory capable of turning out £2,000 worth of these in a year. He (the judge) did not think there was a total failure of consideration. The defendant counterclaimed for damages upon the ground that the plaintiff had repudiated the agreement, but his lordship did not think the action of the plaintiff had deprived the defendant of any pecuniary advantage which he would have gained if the contract had gone on, and probably it had saved him from a loss. The plaintiff's claim for the £1,000 failed, but he would have judgment for £280 subsequently advanced to the defendant, with costs, and the counterclaim would be dismissed, with costs. His lordship subsequently varied his judgment by reducing the sum from £280 to £207.

**Photographic Paper Dispute.**—In the King's Bench Division of the High Court, London, on April 12, Mr. Justice Finlay heard a claim brought by the Criterion Plates, Papers and Films, Ltd., Stechford, against the London Chemical Co., retailers of photographic materials, Minories, E.C., for a balance of the price of a quantity of enlarging paper supplied to them. The defendants contested the claim. Mr. Ruston, for the plaintiffs, said that in accordance with defendants' order of June last, quantities of the enlarging paper were delivered to them, and the defendants now allege that it was faulty. It would appear that the deliveries made were according to the sample given to plaintiffs. Respecting a complaint by the defendants on August 31, the plaintiffs said the fault was in developing, due to the warm weather, and plaintiffs told defendants how to correct it. Further deliveries were made to the defendants after that date. Mr. Albert Ernest Dawson, photographic chemist to the plaintiff company, said that his firm used paper of the best British make. The paper was coated on one side by them with synthetised bromide emulsion. He had seen the sample of August 31, and the fault in it was due to a yellow stain through bad development of the photograph. The only trouble with another sample produced was due to the paper having been handled in an unsafe light. Tests were made of the paper before it was sent out. Mr. Albert Edward Le Masurier told the court that he was the owner of the defendant company, and resold the papers in question to the Lion Enlarging Co. (now the Tower Enlarging Co.), who later complained that it was faulty. Ultimately the Lion Enlarging Co. returned a large quantity of the paper. Plaintiffs promised to look into the matter, but took no steps to change the faulty materials. His lordship said he preferred the evidence given on behalf of the plaintiffs to that given for the defendants. He was not prepared, on the evidence before him, to find that the goods were faulty, and gave judgment for the plaintiffs for the sum of £128 5s., with costs.

**AIR MAILS.**—There will be no letter air mails to France, Belgium, Holland and Germany from April 15 to April 18, inclusive. Parcel air mails are also limited during this period.

## New Companies and Company News

**P.C. means Private Company and R.O. Registered Office.**

**WEST OF ENGLAND BEET SUGAR COMPANY, LTD. (P.C.).**—Capital £1,000. Objects: To carry on the business of beet sugar manufacturers, growers of beet and other crops, agricultural chemists, etc. R.O.: Sardinia House, Kingsway, London, W.C.

**C. & C. (CHEMISTS), LTD. (P.C.).**—Capital £800. Objects: To carry on the business of chemists, druggists, dealers in pharmaceutical, medicinal, chemical and other preparations, etc. The directors are: E. C. Corkhill, 59 High Street, Lowestoft, W. Corston, and Hilda M. Coston.

**CHARLES HAYDN HALLATT, LTD. (P.C.).**—Capital £200. Objects: To carry on the business of wholesale, retail and manufacturing chemists and druggists, manufacturers of and dealers in essences, extracts, spirits, essential and other oils, patent medicines, foods, wines, spirits, drugs, chemicals, perfumes, toilet powders, soaps, dentifrices, hair lotions, and all or any kind of toilet requisite, brushes, combs and manicure sets; oil, paint and colour men, dealers in all kinds of photographic, optical and surgical instruments, leather and fancy goods, stationery, books and tobacco, etc. Director: C. H. Hallatt. R.O.: 387 Attercliffe Common, Sheffield.

**JOHN WYATT, LTD. (P.C.).**—Capital £800. Objects: To acquire the business of a chemist, druggist, dyer and manufacturer of and dealer in all pharmaceutical, medicinal, chemical, industrial and other preparations, articles and compounds, manufacturers of and dealers in proprietary articles of all kinds, makers of and dealers in electrical, photographic, surgical and scientific apparatus and materials, mineral waters and confectionery of all kinds as now carried on by Ellen Wyatt at The Island Drug Stores, West Mersea. R.O.: Island Drug Stores, Barfield Road, West Mersea.

**RAIMES & Co., LTD.**—The statutory meeting of creditors was held recently at Stockton-on-Tees, when the liquidator submitted a statement of affairs which disclosed liabilities £23,628 0s. 11d., of which £13,319 9s. 10d. was due to trade creditors. The assets were estimated to realise £16,401 0s. 11d., less £363 16s. 7d. for preferential claims, and £15,629 8s. 8d. due on debentures. The net assets were therefore £407 15s. 8d. The assets comprised:—Stock, estimated to realise £4,500; machinery, etc., £3,250; Ebor Works, £3,000; trade-marks, £175; empties valued at £200; and book-debts expected to produce £5,000. The issued capital of the company was £60,000, and as regarded the shareholders there was a deficiency of £83,220 5s. 3d. The liquidator considered that upon a forced realisation, instead of £407 being available for the unsecured creditors, there would be a shortage of £5,448 so far as the debenture holders were concerned. It was reported that the company was formed about 1901, with a nominal capital of £60,000, of which £57,000 was issued as the consideration for the purchase price of the business taken over. The business was originally established in 1845. It appeared that during recent years the turnover had been as follows:—1921, £88,000; 1922, £76,000; 1923, £66,800; 1924, £74,400; 1925, £67,447; 1926, £54,300. In 1921 the gross profit was £13,000, and during the succeeding years it steadily increased until in 1925 it totalled £19,239. Last year, however, the gross profit fell to £17,248. In recent years the trading had resulted in a net loss. The losses had been as follows:—1921, £14,500; 1922, £6,160; 1923, £5,450; 1924, £5,140; 1925, £3,971; and 1926, £5,248. The company attributed the present position to the war legislation, which destroyed a good agency which they held, to bad trade, and to manufacturing losses. It was stated that in January 1919 the stock on hand was worth £57,000, and a loss was caused through the slump in values. A resolution was passed confirming the voluntary liquidation of the company with the liquidator already appointed, and it was decided that a committee should be elected. Among the principal creditors are:—Blundell, Spence & Co., Ltd., £459; C. R. Harker, Stagg & Morgan, Ltd., £132; May & Baker, Ltd., £100.

## Westminster Wisdom

Notes on Parliamentary Matters

### MEDICINE STAMP DUTY

The Budget resolution sanctioning the increase of excise duties on medicines, first imposed in 1915, was passed on April 11, sanctioning the continuance of the duty. In the White Paper circulated to Members of Parliament it was shown that the yield from the duty (old and new) for 1926-27 was approximately £1,425,000, against an estimate of £1,400,000, which last-named sum is the estimated receipts for 1927-28.

### FOOD PRESERVATIVES

Mr. Campbell asked the Minister of Health, on March 31, if, in view of the new Regulations affecting the use of preservatives in food, he has issued or proposes to issue to local authorities a suggestion that they should take special pains to warn consumers that certain foods should not be expected now to keep so long in a condition fit for human consumption?

Mr. Chamberlain: No, I do not propose to make any such suggestion, since only experience can show how far, if at all, the 'keeping properties of food in the consumers' houses would be affected by the absence of preservatives. I may say, however, that in making the Regulations I had regard to the circumstances of the ordinary household, and to the fact that most of the principal foods affected were already being sold without preservative by some traders.

### C. & D. AND POISONS COMMITTEE

Lieut.-Colonel Fremantle asked the Home Secretary what traders, if any, interested in the sale of poisons by licence, or otherwise, are represented on the Committee now sitting to investigate the working of the Poisons and Pharmacy Acts; and when the Report of the Committee may be expected?

Captain King: I have been asked by the Lord President of the Council, who appointed the Committee, to say that traders engaged in the sale of poisons, both by wholesale and retail, are represented on the Committee. I am unable to say when the Report of the Committee may be expected.

Lieut.-Colonel Fremantle: Can my hon. and gallant friend tell me if the reports of proceedings that are being issued in certain trade journals are authorised, and if they are not authorised what action can be taken to prevent their being published?

Captain King: I require notice of that question.

### SHOPS HOURS (EARLY CLOSING) COMMITTEE

The Shops Hours (Early Closing) Committee held its second sitting on April 7, Sir William Warrender Mackenzie presiding. Mr. James Walker Clark, chairman of the board of management of the Chamber of Trade (with fifty-four years' experience in the retail trade), and Mr. Patrick Howling, secretary of the Chamber (with thirty years' experience) were called to give evidence. Mr. Clark said that the fact that the compulsory order was made under D.O.R.A. should not be used to create prejudice against it and its effect. It was an order which, while it sprang out of war conditions, none the less met a very definite necessity in relation to the hours of business in shops, the opportunities of proprietors, and the hours of the assistants. He would rather the Acts of 1920 and the Amendment Act of 1921 remain as they were than have fresh exemptions included in the 1921 Act. They did not like the 1921 Act, but rather than have something new imported into it they would accept them as they were. Mr. Howling said the local authorities should be empowered, upon being satisfied as to the representative nature of the demand, to fix Friday or Saturday as the day of late closing. Friday had been made the pay day rather than Saturday, and there was a growing tendency to utilise Saturday evening for the purposes of week-end leisure and recreation. No latitude should be given to persons who carried on their businesses other than in actual shops.

### Budget Changes

The Chancellor of the Exchequer introduced his budget for 1927-8 on April 11. He has made provision for £834,830,000, and has to meet a deficit of £36,694,000, mainly due to the disastrous strikes last year. The budget shows no changes in direct taxation, but there are several alterations in indirect taxes. The following is a summary of the changes:—

#### NEW TAXES

**Tobacco.**—From April 11, 8d. per lb. on unmanufactured tobacco; 1s. 3d. per lb. on cigars, 1s. per lb. on cigarettes, 11½d. per lb. on cavendish, and 10d. per lb. on other manufactured tobaccos.

**Imported Wines.**—3s. per gal. on wine not exceeding 25 deg. proof spirit: 8s. per gal. on wine between 25 and 42 deg.

**British Wines.**—Duty of 1s. per gal. as from April 25.

**Foreign Tyres.**—From April 11, imported motor car and motor cycle tyres to be subject to 33½ per cent. *ad valorem* duty. Empire tyres to receive a rebate of one-third.

**Matches.**—Increase of duties by 20 per cent.

**Pottery.**—A duty of 28s. per cwt. under the Safeguarding of Industries Act, on imports of translucent pottery. Preferential rebate of one-third in favour of Empire goods.

#### TAX CHANGES

**Unnecessary Government Departments.**—The Ministry of Transport is to be abolished as a separate department, but the Roads Department is to be retained in full activity. The functions of the Mines Department are to be distributed and the separate existence of the Overseas Trade Department is to be terminated. Recruiting for the Civil Service to be contracted.

**Foreign Films.**—All photographic films not less than 12 ft. in length to come within the duty of ¾d. per linear foot on blank cinematograph film, as from April 11.

**Road Fund.**—It is proposed to take the reserve of £12,000,000 of the Road Fund.

**Property Tax.**—Income-tax, Schedule A, at present payable in two equal instalments, one on January 1 and the other on July 1, to be payable in one sum on January 1. The result, it is estimated, will be to bring in this fiscal year £14,800,000.

**Supertax and Death Duties.**—Owing to the avoidance of these "in whole or in part," it is proposed to "close the loopholes." The Channel Islands have been invited to co-operate. Provisions to prevent avoidance of supertax through the medium of the one-man company.

**Sinking Fund.**—It is proposed to raise the new sinking fund to £65,000,000.

## Bankruptcy Reports

**Re Harold Henry McCarthy**, 24-26 Holborn, London, E.C., late of 80 Bishopsgate, E.C., chemist (*C. & D.*, II, 1925, p. 651).—The public examination was held on April 1 at the London Bankruptcy Court. The accounts showed total liabilities £22,516 (unsecured, £15,516), and assets valued at £2,506. Replying to questions, the debtor stated that in June 1914 he purchased an export business carried on at 26-28 Bush Lane, E.C. The business was fairly successful until 1916, when it declined through the refusal of his Indian customers to meet their obligations, owing to the sudden fall in the rate of exchange and the heavy drop in prices, accentuated by economic depression and political trouble in India. The banks in India realised at a loss the goods consigned to customers, and appropriated all funds coming into their hands against bills held by them for collection, with the result that witness closed down the business in August 1917. In October 1918 he executed a deed of arrangement providing for the payment of a composition of 10s. in the £ on liabilities £13,808; the payment was to be made out of his subsequent earnings, and only one dividend of 4d. in the £ had been paid. The examination was concluded.

## Associations' Winter Session

**Cardiff.**—A combined meeting of the Cardiff Pharmaceutical Association and the Cardiff Division of the British Medical Association was held on March 23. The proceedings were presided over by Dr. T. W. Thomas, Caerphilly (chairman). The subject for discussion was *Mutual Relations between Prescriber and Pharmacist*, and the principal speaker, who represented the medical profession, was Dr. James Beatty, whilst Mr. S. W. Hague was the spokesman on behalf of pharmacists. There was a splendid attendance of doctors and chemists. Dr. Beatty, touching upon prescribing by chemists, said he could not see how certain forms of this could be kept apart from the business of the pharmacist, but he emphasised the very important fact that such form of prescribing should be elementary, the pharmacist always bearing in mind the axioms "Safety first" and "Go and see your doctor." He advocated a closer co-operation in that the pharmacist should be in a position to prepare such preparations that are equal in therapeutic value to the many advertised proprietaries, and further that the pharmacist should assist the doctor by informing him of the synonym of the preparations so made, thus simplifying the work of the medical man at busy periods. He thought that a scheme might be evolved whereby a central dépôt might be in existence where unusual or expensive drugs would be stocked, to enable the pharmacist to fill the prescription quickly without entailing a considerable financial outlay. Many other points were raised by the speaker which were very interesting. Mr. S. W. Hague, in continuing the discussion, said that he believed that by a few conferences such as this it would soon be possible to so organise the pharmaceutical profession as to be able to cope with all the dispensing that may be required, thus relieving the medical man of this irksome work, to the benefit of pharmacy and the uplifting of the status of the medical man, and ensuring a further safeguard for the public. Other speakers following included Sir Ewen Maclean, J.P., S. H. Cook, Mr. Thomas Lewis, Ph.C., President of the Cardiff Pharmacists' Association and head of the Welsh College of Pharmacy, Messrs. A. S. Johnson, and J. Murray. Mr. Jabez A. Jones, during a brief speech, intimated that during his fifty-eight years' connection with pharmacy this was the first meeting to take place as a conference between the two closely-allied professions. The annual meeting was held on April 5, the President (Mr. Thomas Lewis) in the chair. The annual report and financial statement were presented and accepted. The report mentioned the success of the social functions, resulting in addition to the credit balance of the association funds, which at the year's end stand at £58, and that under Mr. J. D. Jenkins's scheme the Society's Benevolent Fund benefited by over £60. Other matters dealt with were the supply of infant foods, drugs and appliances by welfare centres, and the price cutting of protected lines by general traders. These matters were referred to the local branch of the Retail Pharmacists' Union. The issuing of an invitation to the British Pharmaceutical Conference to visit Cardiff was considered, and a committee was appointed to deal with this. The following were elected officers for the ensuing year:—*President*, Mr. George Edwards; *Vice-President*, Mr. J. D. Jenkins; *Treasurer*, Mr. S. H. Willis; *Joint Secretaries*, Messrs. Whitney, Evans and W. C. S. Thomas; *Committee*, Messrs. J. T. Day, S. W. Hague, G. J. Jenkins, F. Lewis, E. A. Ward and J. Murray, with the officers *ex-officio* and life members.

**Chemist-Analysts Institute.**—A meeting of the Council took place on April 6. The following pharmacists were elected members of the Institute: Robert John Barre, Charles John Dixon, George Christopher Hewson, David Richard Jones, Herbert Henry Metcalfe, Andrew Robert Riley, Samuel Townley Smith, Gerald Ridley Toogood. The address of the secretary (Mr. J. Cofman-Nicoresti) is now: "Studley House," 9 Larkhall Lane, London, S.W.4.

**Edinburgh Chemists', Assistants' and Apprentices' Association.**—The annual business meeting of the forty-ninth session was held on April 6, Mr. Eric Knott, Ph.C. (president) in the chair. Miss Isabella A. Purdie, Ph.C., submitted the annual report, which

showed an increase in membership of thirty-seven, and a successful series of meetings. The experiment of holding some of the meetings on Fridays had been a success. An electric lantern and screen had been purchased for the use of the association with subscriptions raised during the session. Cordial thanks were expressed to those who had made the meetings a success and to the staff of the Pharmaceutical Society's Branch. Mr. George Hedderwick submitted the financial statement, indicating a balance in hand of £7 2s. 2d. The report and financial statement were adopted, and a cordial vote of thanks was accorded to the retiring office-bearers, special mention being made of the valuable services rendered by Mr. Eric Knott. The following communications were read:—*A Brief Survey of Pre-Scientific Chemistry*, by Mr. M. Hunter, Ph.C. Mr. Hunter said that chemistry as a science in the real sense was barely 250 years old, but as an art it dated back several thousand years before the Christian era. Fermentation was one of the oldest chemical phenomena. The origin of the art of working metals and their ores was lost in antiquity; first came gold, silver and copper, and later tin, lead and iron. The Chinese made steel at least 2,000 B.C. It seemed to have been made first by a tribe of the northern shores of the Black Sea. Early chemical processes were the dyeing of cloth and the use of mordants. Then came Greek speculation as to the nature and constitution of matter, and later the searchings of the alchemists for the philosopher's stone and the transmutation of metals. The other communication was *Under the Microscope*, by Mr. C. Drummond, who focussed what he called a very high-power lens on a familiar object—a chemist. He took the appearance and characters of the chemist as seen through the eyes of the average man; he then looked at him as indicated in his examination certificate, as a professional man dispensing under the terms of the Insurance tariff, under conditions of keeping open shop under the Pharmacy Acts, and, lastly, under the Shops Acts.

## Festivities

### Social Evening at Newcastle

THE Newcastle and Northumberland Branch of the Pharmaceutical Society held a social evening on March 16, about 100 members and friends being present. After a whist drive, prizes for which were given by wholesale houses and presented by Mrs. J. Whittle, a dance concluded a successful evening.

### Dundee Chemists' Social Evening

DUNDEE chemists held a social evening in the New Masonic Hall, Tay Street, on March 30, when over 100 took part in a whist drive; prizes were presented to the winners by Mrs. John Gray. A supper (presided over by Mr. C. Stephen, Ph.C.) and dance followed. Among those present were Messrs. Bayne (T. & H. Smith, Ltd.), Haddon (S. Maw, Son & Sons, Ltd.), Ellis (Pinkerton, Gibson & Co., Ltd.), and Watt (R. Gibson).

### Eno's Dinner and Dance

ON April 8 the directors and staff of J. C. Eno, Ltd., assembled at "Fruit Salt" Works, New Cross, London, S.E., for their annual dinner and dance. Commander H. W. Swithinbank, a former chairman, presided in the unavoidable absence of the managing director, Lieut.-Col. F. Allhusen, and was supported by Messrs. T. Bennett, A. E. Clarke, A. G. James, F. Vanden Heuvel, J. H. H. Boyd, R. W. Coit, and G. Heslop (directors). An excellent dinner was served in the large dispatching bay of the works, transformed into a delightful banqueting hall, and afterwards Mr. R. W. Coit proposed "The House of Eno." The toast was enthusiastically received, and the chairman rose to remark that it was particularly interesting to see that representatives of three generations of the Eno family were present on this occasion. Mr. L. E. Room proposed the health of "The Ladies." The dinner was followed by dancing, which was carried on until a late hour. A word of praise is due to Mr. E. Cox, secretary of the Entertainment Committee, who was mainly responsible for the excellent arrangements.

## London Dispensing Tests

At a meeting of the Insurance Committee, held on March 24 (*C. & D.*, April 2, p. 414), the Pharmaceutical Committee reported on the results of recent dispensing tests as follows:—

CASE 1.—The analysts found a deficiency of 29.9 per cent. of syr. ferri iodid. in the medicine supplied. The Minister decided that £3 be withheld from the chemist. (2) In a similar case the Committee censured the chemists. The Minister agreed not to impose a fine. (3) In dispensing a prescription for mist. pot. brom. the chemist added 98.5 per cent. excess of ammonium carbonate. The Pharmaceutical Committee recommended that the chemist be cautioned, but the Committee decided to censure him. It was found that the assistant had made an error owing to pressure of business. The Minister thought that the chemist should be fined, but it was recommended that the Committee adhere to their former decision. (4) Mist. pot. brom. co. 3viii. was found deficient in 6.2 per cent. of pot. brom. and 20.4 per cent. of ammon. carb. The result was confirmed by independent analysis. The chemist was cautioned. (5) A prescription for mist. ferri et quassia 3viii. was found to have been wrongly dispensed. The superintendent chemist of the company expressed regret, and said that a solution of glycerin (1 in 2) had been used in dispensing instead of pure glycerin. The chemists were censured. (6) Mist. quinin. 3viii. was found to have an excess of 12.2 per cent. of quinin. sulph. and 4.0 per cent. of acid hydrobrom. Chloroform emulsion was entirely absent. The chemist was cautioned. (7) In a prescription for mist. quinin. 3viii. the total quantities prescribed were: quin. sulph. gr. 24, acid. hydrobrom. dil. min. 160, emuls. chlorof. min. 80. Total quantities present, quin. sulph. gr. 28.1; acid. hydrobrom. dil. min. 160. The analysts pointed out that quinine sulphate may effloresce, and gain from 4 to 5 per cent. in strength. The actual percentage excess might, therefore, be not more than 9.9, which was equivalent to 26.7 grains of quinine sulphate. The chemist was cautioned. (8) Ung. flav. 3iv. The analyst found that 230.5 gr. was supplied. The sample was not uniform in composition. After mixing, it was found to contain 1.75 per cent. of mercuric oxide, whereas it should have contained 0.83 per cent., which is equivalent to a percentage excess of 110.8. The chemist's explanation was that it is very exceptional for such a quantity of this ointment to be ordered, and the prescription contained no indication that it should be dispensed to the formula of the London Insurance Pharmacopœia. He therefore supplied ung. hydrarg. oxid. flavum B.P. The chemist had noted on the prescription that only 3iv. was supplied. In the absence of any direction the formula of the L.I.P. should have been supplied, and the chemist was censured. (9) Pulv. acid. boric. co. L.I.P. 3ij. The analysts stated that the weight of the powder supplied was only 894 gr. An independent analyst reported: "In computing the percentage of zinc oxide I have assumed official zinc oxide to contain 97 per cent. of real zinc oxide—official zinc oxide contains ordinarily about 3 per cent. of moisture and carbon dioxide." Notwithstanding the favourable result from the independent analyst, it was decided that the chemist be cautioned. (10) A prescription for lotio acid. boric. 3viii. was found to have been prepared with tap instead of distilled water. The chemist was censured and the attention of the Minister will be called to the case. (11) In a prescription for mist. pot. iod. alk. 3viii. the total quantities prescribed were: pot. bicarb. gr. 160, pot. iod. gr. 48, ammon. carb. gr. 48. Ingredients estimated: pot. bicarb. gr. 159.0, pot. iod. gr. 47.5. Apart from the deficiency of 16 per cent. of ammon. carb. the prescription was well dispensed. The volatile nature of ammon. carb. was the cause of the deficiency, and no further action was taken. (12) In mist. pot. brom. 3viii. the quantities prescribed were pot. brom. gr. 240, ammon. carb. gr. 48, emuls. chlorof. min. 80. Total quantities present: pot. bromid. gr. 248, ammon. carb. gr. 32.4. The chemist was cautioned. (13) Plain gauze 2 sq. yards. The material was found to conform to the B.P.C., but was yellowish-brown in colour. The managing director stated that his company bought their appliances under

a warranty. No further action was taken. (14) An insured person alleged that a prescription had been inaccurately dispensed. It was found that while the mixture prescribed was accurately dispensed, errors were made by the chemist in labelling. The chemist was censured and the attention of the Minister will be drawn to the matter. (15) An insured person made a complaint to the effect that a chemist had refused to supply cotton wool ordered by an Insurance doctor. Two test prescriptions were also refused by the chemist. The chemist was severely censured. The reports of the Subcommittee were adopted.

## Proprietary Articles Trade Association

### Annual Meeting

THE annual meeting of members of the Proprietary Articles Trade Association was held at the Hotel Russell, London, W.C., on April 7, the President, Mr. F. J. Smith, in the chair, supported by Sir William Glyn-Jones and the members of council.

The President, in moving the adoption of the report, referred to the satisfactory position of the Association, and said that the great majority of important manufacturers had realised the advisability of joining the Association. The retail section had increased in membership in a gratifying manner, but there were still a number of retailers content to take the advantages provided by the Association without giving the material and moral support supplied by membership. The report made reference to Sir William Glyn-Jones and to the administrative changes which had taken place during the year. They were glad to have Sir William with them at the meeting; they wished him success in his Canadian work, and trusted that his health would be conserved. Mr. Higgs seconded the motion, and he was supported by Mr. Pickard and Mr. F. G. Hines.

The report was then adopted, and the meeting concluded with a vote of thanks to the chairman.

### Meeting of Council

THE quarterly meeting of the Council was held on the same date. The President, Mr. F. J. Smith, expressed the Council's pleasure at the presence of Sir William Glyn-Jones, their interest in his work overseas, and the hope that he would soon be able to spend a greater time in this country. Mr. Smith then invited Sir William to occupy the chair and conduct the business of the meeting.

Sir William Glyn-Jones then took the chair. The President presented to Mr. C. H. Ratcliffe a gold cigarette case suitably inscribed as a token of appreciation of his services, and Mr. Ratcliffe expressed his appreciation of the gift.

It was announced that the P.A.T.A. has collected for the Parliamentary Representation Fund from members of the manufacturers' and wholesale sections about £800.

The Executive reported that it had considered a list of P.A.T.A. articles the profit on which they regard as unsatisfactory, and from this list have selected a number of preparations. It was recommended that the strongest representations be made to the proprietors, with a view of securing the allowance of more adequate rates of profit on these goods.

The offer by manufacturers at public exhibitions of P.A.T.A. goods at prices below the minimum retail price has been the subject of complaint. The Committee recommended that such manufacturers be informed that it is a definite rule of the Association that the minimum retail prices for P.A.T.A. goods must be observed whenever such goods are sold to the public.

Two meetings of the Propaganda Committee have been held recently. The Committee has made arrangements for exerting all influence possible on the proprietors of certain well-known proprietary articles not at present on the protected list.

The report was approved and adopted.

## The Purity of Anæsthetic Ether

By G. Middleton, B.Sc., A.I.C.

THE action of Dr. Waldo in drawing attention to the increase in the number of fatalities following ether anæsthesia—which was the subject of a note in the *C. & D.*, March 26 (p. 382)—calls for a fresh endeavour to remove the risk and discomfort frequently associated with ether, which can be done by using only the purest ether for anæsthetic purposes.

The statements which have been made that certain impurities (in particular, ketones) were essential to the satisfactory production of anæsthesia, and that chemically pure ether had little or no anæsthetic action, were emphatically proved to be incorrect by the work of Dale, Hadfield and King. These workers proved conclusively that chemically pure ether exhibits full anæsthetic action, and that its employment is free from the undesirable and sometimes dangerous after-effects produced by many samples of commercial anæsthetic ether which contain aldehyde and peroxide. Following these observations, a great deal has been written in the last few years on the significance of the impurities commonly present in anæsthetic ether. The view that ether should be free from even traces of these impurities was first put forward as the result of laboratory experiment, and is now generally accepted by leading anæsthetists.

The impurities liable to be present in ether may be divided into two classes—those produced in manufacture and those which may be formed on storage. The first class generally includes acetaldehyde, ethyl alcohol, methyl alcohol, dimethyl ether and methyl ethyl ether, though the presence of the three last-named may be avoided by the use of rectified spirit as the starting material. But even then the ether will contain aldehyde, since this is practically always present in rectified spirit, and is not removed by distillation in the ordinary process of manufacture. It can be removed by chemical purification. It is a fact that, although ether has been regarded by some as a stable compound, it is in reality unstable, and on exposure to air—especially in presence of light—it combines with oxygen, forming a peroxide. This peroxide can be separated from impure ether as an oily explosive liquid with a very irritating action upon skin and mucous surfaces. The cases of unaccountable explosions occurring during the distillation of ether which have been recorded have no doubt been due to the presence of this compound. This impurity—commonly spoken of as ether peroxide—is in all probability dihydroxyethyl peroxide,  $\text{CH}_3\text{CHOH.O.O.CHOH.CH}_3$ . It breaks down primarily to acetaldehyde, but also to a limited extent may form ethyl alcohol, acetic acid, methane, carbon dioxide, acetal and hydrogen peroxide. It is produced by the action of light on ether containing aldehyde, consequently such ether that has been exposed to air and light may contain any or all of these impurities. Hydrogen peroxide is only found when the decomposition of the ether has proceeded to a considerable extent.

The formation of the organic peroxide proceeds much more slowly in the absence of light, and it may also be retarded by the addition of traces of certain compounds such as pyrogallol or hydroquinone. It is accelerated by the presence of traces of aldehyde, and since aldehyde is itself produced by the decomposition of the peroxide the rate of formation of peroxide in an initially pure ether proceeds with increasing velocity as the amount of decomposition products increases. It follows that an essential condition for reducing to a minimum the formation of peroxide is that the ether should be initially free even from minute traces of these substances. It should also be free from alcohol, because this is said to give rise to the formation of aldehyde. Further, care must be taken both in packing and in subsequent handling to avoid exposure to light, and, so far as possible, to air. Well-sealed containers of light-proof material are therefore indicated, and these should be small, so that, after opening, the contents are quickly used up. If pure ether is employed special precautions are not essential during the actual use of the ether, as only a very minute amount of peroxide is formed during the time required for a single operation, even when using warm ether. But if that ether is allowed to stand subsequently, impurity

will accumulate. The residual ether after an operation should not be used for anæsthetic purposes.

Progress in the study of this catalytic action of the decomposition products has been facilitated by the discovery of a delicate quantitative method of testing for peroxide. This method, worked out by the present author, is based upon the use of ferrous thiocyanate and titration with 0.03/N titanous chloride. Practically all pharmacopœias require the exclusion of peroxide and aldehyde from anæsthetic ether. The test of the British Pharmacopœia is too insensitive to detect small quantities of peroxide, and requires revision in the light of the work referred to above. The B.P. test for "methyl compounds" is also to some extent misleading, as it does not appear to have been shown that either dimethyl ether or methyl ethyl ether will react to this test. Finally, in addition to the objection to the use of impure ether for anæsthesia, it may be observed that the impurities may be distinctly disadvantageous in ether which is to be used for purely chemical purposes. For example, the yellow colour stated to be given by a quadrivalent titanium compound in presence of ether has been shown to be due to the peroxide present in the ether. Even in the use of ether as a solvent in the extraction of organic bases from aqueous solution, pure ether is desirable because of the oxidisable nature of these compounds.

## Business Changes

BOOTS, LTD., will shortly open a new branch at 133 Victoria Road, New Brighton, Wallasey.

MR. S. G. COURT, chemist and druggist, 56 William Street, Herne Bay, has opened a branch at Reculver Road, Beltinge.

W. H. LAVERACK & SONS, chemists, Boroughbridge and Malton, have taken Mr. H. A. Chipperfield, chemist and druggist, into partnership.

THE old-established business of Mr. W. S. Ennals (March & Son), 70 High Street, Stamford, has been acquired by Boots, Ltd.

MR. O. GILLIBRAND, chemist and druggist, 33 Bolton Street, Blackpool, has acquired the business of Mr. R. A. Sharp, Ph.C., 5 Cross Street, Ellesmere.

MR. R. A. SHARP, Ph.C., who has disposed of his business at Ellesmere, is entering into partnership with Mr. F. G. Brice, chemist and druggist (Brice & Son, chemists), Uxbridge.

MR. A. E. SILVERTHORN, chemist and druggist, who until recently held an important position with Timothy White Co., Ltd., has taken over the business of Alfred Evison, Ltd., chemists, King Street, Alfreton.

THE address of Bayer Products, Ltd., is now 19 St. Dunstan's Hill, London, E.C.3. The company has taken over the business in pharmaceutical products of Hoechst, Cassella, Kalle and Agfa, hitherto represented by Mr. A. C. Henry.

SCHIMMEL & Co., manufacturers of essential oils, etc., Miltitz, near Leipzig, has taken over by amalgamation the essential oil firm of E. Sachsse & Co., of Leipzig (hitherto owned by Dr. O. Lampe and Mrs. S. Dufour-Féronce). At the same time, it has been converted into a private limited company (registered capital £300,000), the shares of which will remain in the family. Schimmel & Co.'s business will be carried on as hitherto, the management remaining in the hands of the former owners, of whom the senior partner, Mr. Karl Fritzsche, will act as chairman, whereas Mr. Hermann Fritzsche will be the sole acting director of the limited company. Fredk. Boehm, Ltd., 17 Jewry Street, London, E.C.3, are the agents for Great Britain for both firms.

THE Roman Baths at Bath (described in the *C. & D.*, I, 1924, pp. 916 *et seq.*) are to be scheduled as a monument of national importance. They will remain under the control of the Corporation of Bath.

INCREASING VIRULENCE OF SMALL-POX.—The medical officer of health for South Shields reported recently that the character of small-pox is becoming serious, the tendency being to leave disfigurement of the patient.

## British Pharmaceutical Conference

WE have received the following details of the arrangements that have been made for the meeting of the British Pharmaceutical Conference, to be held at Brighton in June.



LOCAL EXECUTIVE COMMITTEE, BRIGHTON CONFERENCE, 1927

Seated (left to right): F. W. Burgess, J. Plowright, H. R. Gwatkin.

Standing (left to right): A. J. Franklin, H. B. Mackie, E. A. Jones, F. J. Flatman.

### Monday, June 20

8 p.m. Civic reception in the Royal Pavilion.

### Tuesday, June 21

10 a.m. Opening session of Conference in the Royal Pavilion. Official welcome by his Worship the Mayor. Address by the chairman of the Conference (Mr. D. Lloyd Howard, F.C.S.).

Session of Conference—science meeting.

1 p.m. Luncheon in the Dome or Corn Exchange.

2 p.m. Sessions of Conference—science meeting; delegates' meeting. Ladies' Excursion by motor-coaches to the works of H. J. Green & Co., Ltd., Hove.

7 p.m. Conference banquet in the Dome.

### Wednesday, June 22

10 a.m. Sessions of Conference—science meeting; delegates' meeting.

10.15 a.m. Ladies' motor excursion to the "Roadmender" Country.

1 p.m. Luncheon in the Dome or Corn Exchange.

2 p.m. Closing session of Conference.

4 p.m. Garden party in the grounds of the Royal Pavilion. The official photograph of the Conference will be taken.

8 p.m. Conference ball in the Royal Pavilion.

### Thursday, June 23

10.45 a.m. Day excursion to Eastbourne. Special train will leave the Central Station, arriving at Eastbourne at 11.28. The remainder of the morning has been left free, but visitors are requested to assemble punctually for luncheon.

1 p.m. Luncheon in Devonshire Park.  
2.15 p.m. Motor drive round Beachy Head, etc.  
4 p.m. Tea in the grounds, Devonshire Park, by invitation of the Eastbourne and District Branch of the Pharmaceutical Society.  
5.10 p.m. Return train leaves Eastbourne Station.  
8.30 p.m. Cabaret and dance in the Dome.

### Friday, June 24

#### SPORTS DAY AT HOLLINGBURY PARK

Visitors may take Ditchling Road trams from the Aquarium (service every five minutes) to the top of Ditchling Road. Golf links, tennis courts, and bowling greens are all adjacent.

**Golf.**—Stroke competition. "Edmund White" trophy. Hollingbury Park golf course. Apply to Mr. H. B. Mackie, 82 Beaconsfield Road.

**Tennis.**—Doubles. Hollingbury Park tennis courts. Apply to Mr. A. Guy, 10 Castle Square.

**Bowls.**—Hollingbury Park bowling green. Apply to Mr. F. J. Flatman, 108 Western Road, Hove.

Luncheon in marquee adjoining tennis courts.

**Friendlies.**—Golf, tennis, bowls, putting competitions.

Tea in marquee.

On Wednesday, June 22, at 5 p.m., a meeting will be held of persons interested in the educational side of pharmacy. An invitation to be present at this meeting is extended to:—Principals of private schools engaged in teaching the subjects for the Chemist and Druggist and Pharmaceutical Chemist Qualifying examinations; heads of pharmacy departments in public institutions teaching the same subjects; members of the Pharmaceutical Society's boards of examiners; members of the Pharmaceutical Council and of the North British Executive.

Visitors are reminded that there is plenty of hotel accommodation in Brighton. If application is made for Conference tickets before June 4, the reduced price of £2 10s. for the set is charged; otherwise the price is £2 12s. 6d. the set. The address of Mr. F. W. Burgess, secretary of the Local Executive Committee, is 133 Preston Drive.



LADIES' COMMITTEE, BRIGHTON CONFERENCE, 1927

Front row (left to right): Mrs. Cameron, Miss Adams, Mrs. Turner, Mrs. J. Plowright, Mrs. F. W. Burgess, Mrs. Mackie, Mrs. K. Padwick.

Middle row (left to right): Mrs. Russell, Mrs. Vickers, Mrs. Franklin, Mrs. E. Beckwith, Mrs. Savage, Miss Cameron.

Standing (left to right): Mrs. Hockin, Mrs. Cashmore, Mrs. Tyler, Mrs. Evans, Mrs. D. Cripps.

## Personalities

MR. J. B. BROADBENT, Ph.C., Honley, Huddersfield, has been elected to the Honley Urban Council.

MR. R. KIRKNESS, chemist and druggist, Ashford, Kent, has been elected to the West Ashford Board of Guardians.

LORD GAINFORD has been elected President of the Federation of British Industries in succession to Sir Max Muspratt, Bt.

ALDERMAN WALTER DEACON, pharmacist, Mayor of Bridgwater, has been made a justice of the peace for the county of Somerset.

A CERTIFICATE OF NATURALISATION has been granted to S. S. Djordjevitich, medical practitioner, 253 Paisley Road, West Ibrox, Glasgow.

MR. A. H. ROBERTSON, chemist and druggist (Vince & Co., chemists), Lancaster, has been elected a member of the council of the local chamber of trade.

MR. J. J. CROSFIELD (Joseph Crosfield & Sons, Ltd., soap manufacturers, Warrington) has given £10,000 to Warrington Infirmary as an endowment income.

MR. HENRY THOMAS TIZARD has been appointed secretary to the Committee of the Privy Council for Scientific and Industrial Research, in succession to Sir H. Frank Heath, who retires on June 1.

AMONG the successful candidates at the recent Accrington District Council elections are Mr. W. F. Metcalf, chemical manufacturer, Oswaldtwistle (unopposed), and Mr. J. Riley (Riley's Chemicals & Colours, Ltd.), Clayton-le-Moors.

SIR WILLIAM GLYN-JONES, who has been in this country for the past few weeks, and has given evidence before the Departmental Committee on Poisons and Pharmacy Law, is returning to Canada on April 22. We regret to hear that he is suffering from the effects of overwork and strain.

MR. E. W. S. LANG, junior director of Solport Brothers, Ltd., has resigned his directorship with a view to taking up other employment. No appointment of a director is at present being made in his place, and Mr. M. D. Nixon will take over his former duties with regard to export business.

COUNCILLOR J. S. SNELL, chemist and druggist, Accrington, as chairman of the baths committee, set in motion on April 6 the new filtration plant at the Corporation baths. After the ceremony Councillor Snell entertained members of the town council, corporation officials and several guests from other towns, and was presented with a timepiece as a memento of the occasion.

DR. F. L. PYMAN, F.R.S., Professor of Technological Chemistry in the University of Manchester and in the College of Technology, has been appointed head of the new research laboratories of Boots Pure Drug Co., Ltd., Nottingham. A primary object of this addition to the existing laboratories of Messrs. Boots is the prosecution of fundamental research in the domain of chemotherapy. Professor Pyman's better-known investigations are concerned with the chemistry of the alkaloids and of synthetic compounds closely related to them; recently he has devoted much attention to the glyoxaline group and has effected a brilliant synthesis of histidine.

## Marriages

HARRIS-LAWTON.—At St. Matthew's Church, West Town, Dewsbury, on April 5, George B. Harris to Dorothy, eldest daughter of Mr. T. Lawton, chemist and druggist, Huddersfield Road, West Town.

WHITTAKER-ROBINSON.—At the Wesleyan Church, Market Weighton, on April 7, George R. Whittaker to Dorothy, daughter of Mr. C. H. Robinson, chemist and druggist, Market Weighton.

## Deaths

ASTON.—At Tarporley, on April 5, Mr. Alfred Valentine Aston, Ph.C., 77 High Street, aged sixty-six. Mr. Aston followed in business his brother, the late Mr. Walter Aston, Ph.C. (afterwards of Worthing). He was a deacon of the Baptist Church, and a lover of cricket and tennis. A widow, two sons and two daughters survive him.

CLEMENT.—At Wallasey, recently, Mr. John Radford Clement, chemist and druggist. Mr. Clement passed the Modified examination in 1870, and carried on business in King Street, Egremont, for a long period. In 1912 he disposed of his pharmacy to Mr. C. E. Snape, chemist and druggist.

GODDARD.—At Avenue Road, Stonegate, Leicester, on April 9, Mr. Joseph Wallis Goddard (J. Goddard & Sons, plate-powder manufacturers), aged seventy-five. Mr. Goddard was High Sheriff of Carnarvon and a prominent supporter of the Baptist Church.

GREIG.—In Bignold Hospital, Wick, on April 4, suddenly, Mr. Frank Cameron Greig, chemist and druggist, 34 Saltoun Street. Mr. Greig qualified in 1907.

HICKLEY.—At 92 Springfield Road, Brighton, on April 2, Mr. George Hickley, retired chemist and druggist, aged eighty-eight. Mr. Hickley served his apprenticeship at Southampton, and then went to Brighton as an assistant; he eventually acquired a pharmacy in Church Road, which he had previously managed.

RAMSDEN.—At Mirfield, Yorkshire, on April 10, Charles, the only and beloved brother of Mr. W. S. Ramsden, B.Sc., Ph.C., Fallowfield, Manchester.

TUDOR.—On April 3, after a long illness, Ellen, the dearly beloved wife of Mr. William Tudor, chemist and druggist, 20 High Street, Brecon.

## Wills

MR. DAVID REID, chemist and druggist, 23 Hopetoun Street, Bathgate, West Lothian, who died on August 28, left personal estate in Great Britain valued at £9,640 2s. 5d. Probate has been granted to James Arthur Reid, Gowan Bank, John Grey Reid, and Mary Reid.

## Retail Pharmacists' Union

CARDIFF.—The quarterly meeting of the local branch was held on April 8, the chairman (Mr. J. D. Jenkins) presiding. Arising from correspondence received from the Cardiff Pharmacists' Association on the distribution of medical requisites by local welfare centres, it was resolved to take the matter up with the R.P.U. headquarters and the local management of the clinics. Protests were raised at the "price cutting" of several of the protected lines by general traders, and this question was delegated to a subcommittee to confer with the grocers' association, in a joint attempt to bring about the cessation of this practice.

IPSWICH.—At a meeting of the Ipswich and Suffolk Branch, held recently, the local cutting of a proprietary article was discussed, and the prices of water-glass fixed. It was suggested that an attempt be made for chemists to obtain increased dispensing fees for prescriptions containing "dangerous" drugs, especially with Insurance scripts.

LEAMINGTON.—The Warwickshire Branch met on April 7, Mr. Hutton presiding. Mr. Nundy reported on the group executive meeting held at Shrewsbury on November 4. The sale of poisons by other than chemists, the increasing number of regulations imposed on qualified chemists, the position of the Pharmaceutical Society in regard to changes in the poisons law, and the dangerous drugs regulations were afterwards discussed.

MIDDLESEX HOSPITAL, London, has received a grant of £3,000 for cancer investigation in its research department from the British Empire Cancer Fund.

## Trade-marks Applied for

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1926, p. 309.

(From "The Trade-marks Journal," March 16, 1927.)

- "RUMINAL": for a veterinary medicine (2). By R. S. Howe, "Overdale," Newmarket Street, Buxton, 476,886.
- "FILISOL": for a veterinary medicine (2). By C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, London, E.C.2, 476,987.
- "HEAD AND STOMACH PILLS FROM STOTHERTS, LTD.," "BLOOD AND STOMACH PILLS FROM STOTHERTS, LTD.," "BACK AND KIDNEY PILLS FROM STOTHERTS, LTD.," all with label device, including letter "S" and portrait of the late Richard Stothert ("S" disclaimed); for pills (3). By Stotherts, Ltd., Albion Works, North Road, Atherton, Lancs, 473,501. (Associated.)
- "KALLEFLUID": for medicinal chemicals (3). By D. Kalenichenko, Ex Hotel Metropole, Rue Averov, Alexandria, Egypt, 474,707.
- "KALSAREEN": for a solid medicine (3). By Kalsareen Products, 31 Holland Road, London, W.14, 474,779.
- "ALEXOCAIN": for anæsthetics for use in teeth extraction (3). By J. S. Gould, 62 Mount Pleasant, Liverpool, 476,221.
- "SHADOWFORM": for a preparation for internal administration previous to X-ray examination (3). By The British Drug Houses, Ltd., 16-30 Graham Street, City Road, London, N.1, 476,596.
- "PARSTAFES": for medicinal chemicals (3). By J. Parker, 43 Cope Street, Leamore, Walsall, 477,422.
- "ONAL": for medicinal chemicals (3). By A. Gillis, 129 High Street East, Sunderland, 477,801.
- "AQUAGRAM": for all goods (11). By W. G. Ingram, Gramwill Works, 161 Parnell Road, Old Ford, London, E.3, 477,193. (Associated.)
- "MONOX": for extracts of yeast for food (42). By Svenska Jastfabriks Aktiebolaget, Kammakarengatan 62, Stockholm, Sweden, 476,303.
- "NEO-SAN": for food substances (42). By Neo-San Food Co., 4 Manchester Street, London, W.1, 476,441.
- "MIROSA": for all goods (48). By A. C. Symmons, 102 Dairyhouse Road, Derby, 467,364.
- "LACROIX PARIS" under device of cross ("Lacroix" disclaimed): for toilet articles (48). By Marguerite Rigal, 44 Avenue Victor Hugo, Paris, 472,507.
- "HALOZON": for perfumery, etc. (48). By J. Browning, 33 Penrith Street, Streatham, S.W.16, 473,456. (Associated.)
- "JASMINAL": for perfumes (48). By Schimmel & Co., Militzstrasse 1, Militz, Germany, 474,853.
- "FROU-FROU" with picture of girl in Pompadour dress holding bird; for perfumed soaps (48). By Fripps, Ltd., 3 Broad Plain, Bristol, 475,471. (Associated.)
- "RUSBYS, LTD." with picture of old English shop and figures; for perfumery, etc. (48). By Rusbys, Ltd., 3 Great Windmill Street, Piccadilly Circus, London, W.1, 476,637.
- "DIDUMS": for soap and toilet powder (48). By Peel Watson & Co., Ltd., 6 Parker Street, Manchester, 476,856.
- "OZALDA": for perfumery, etc. (48). By C. R. Goodbody, 20 North Wharf, North Wharf Road, Paddington, London, W.2, 477,052.
- "PERM-BROW": for a preparation for darkening the eyebrows and lashes (48). By Mirus, Ltd., 57 Carleton Road, Tufnell Park, London, N.7, 477,308.
- "CANOVA": for all goods (48). By Emma M. W. Williams, 69 Meadow Street, Alexandra Park, Manchester, 477,476.
- (From "The Trade-marks Journal," March 23, 1927.)
- "AGARINE": for chemicals for eliminating boiler scale (1). By The Liverpool Borax Co., Ltd., Borax Street, Liverpool, 476,193.
- "AVIROL": and circular device with name and address of applicants; for chemicals for the dyeing industry (1). By H. Th. Böhme A.G., 29 Moritzstrasse, Chemnitz, Germany, 476,293/304.
- Crescent device; for chemicals (1). By Brunner, Mond & Co., Ltd., Winnington, Northwich, Cheshire, 477,213. (Associated.)
- "ABANOL": for weed killers and insecticides (2). "STICKTITE": for tree banding compounds (2). "WULDRIP": for all goods (2). By Abol, Ltd., Beltring, Paddock Wood, Kent, 476,391; B476,519; 477,953.
- "HORTUS": for fertilisers (2). By The Neptune Mills, Ltd., Stevenson Street, Oban, Scotland, 476,751.

## Trade Notes

VINT'S MENTHOL.—Evans Sons Lescher & Webb, Ltd., London and Liverpool, advertise new prices for England of Vint's menthol in this number.

LOFOT MOUNTAIN BRAND of cod-liver oil is obtainable from F. W. Berk & Co., Ltd., 106 Fenchurch Street, London, E.C.3, who will send sample and quotation on application.

"ASHES OF ROSES" COMPETITION.—A novel window-dressing competition in connection with Bourjois' "Ashes of Roses" is announced in this week's issue. Chemists are to receive particulars in Easter week.

ARMOUR'S NEW PRODUCTS.—Armour & Co., Ltd., are holding a small exhibit of their preparations at Queen's House, Kingsway, London, W.C.2, on April 21, and invite any friends in the trade to call and view a series of new products that they are introducing.

GARDNER'S SIFTERS.—Wm. Gardner & Sons (Gloucester), Ltd., Bristol Road, Gloucester, have issued a new edition of their catalogue of "Rapid" sifters and mixers. It is illustrated and gives the specifications of the different kinds, so that readers can judge the suitability for any particular work.

IGLODINE SHOWCARDS.—The Iglodine Co., Ltd., Iglodine Buildings, Pilgrim Street, Newcastle-on-Tyne, have issued a series of new showcards which chemists who stock Iglodine preparations can have on request. The series of four cards measure 15 in. by 20 in., and are attractively printed in colours.

EXCURSIONISTS TO LONDON.—Mr. W. E. Hambley has brought out a new edition of his "How to Do London in a Day," which visitors to London with a limited time at their disposal will find very useful. Mr. Hambley, before his retirement, was for many years in the drug trade, and his experience in piloting through London parties from wholesale houses has enabled him to produce this little book, which is published at 6d. by E. J. Larby, Ltd., 30 Paternoster Row, London, E.C.

## Information Department

### INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

M/313. Corral's liquid dressing for poultry	W/303. Offord hygienic truss (present address)
A/44. Elf brand pessaries (with resorcin)	B/44. Oxydolin (present address)
M/14. Helthol disinfectant	A/313. Oxylox
H/24. Harlequin perfumery	M/114. Phenyl diethylbarbituric acid
B/44. Jackson's rat poison	S/14. Soya bean flour
S/114. Lawrence's santonin lozenges	E/314. Staphylohanol
	D/44. Valaga Roman Jelly

### INFORMATION SUPPLIED

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.4.

Bono solution. E/24	Neuro-lecithin. A/183
Congreve's elixir. F/54	Occulta rubberless elastic stocking. J/313
Econasign showcard writer. J/44	Parasalcyl. B/44
Mersol. M/24	Unoline nitrate. M/24

SALARIES OF POOR-LAW DISPENSERS.—The report of the salaries subcommittee of the Poor Law Officers' Association was recently submitted to the London and District Branch and approved. The scale adopted for dispensers is as follows: Full-time salary to be £360 per annum, rising £15 per annum to a maximum of £475; part-time salaries to be decided by negotiation, having regard to hours employed, etc.

STAFF DANCE.—The concluding dance of the season arranged by the wholesale and retail staffs of Martyns Stores, Ltd., chemists, Wolverhampton, was held at the Molineux Hotel recently, when upwards of 100 members of the staffs and friends spent an enjoyable evening. During the proceedings Mr. G. Hale was presented with a walking stick in recognition of his successful organisation of the social events.

## Observations and Reflections

By Xrayser III

### Council Honours

are this year being sought by a goodly number of candidates, and it is noteworthy that everyone who has been nominated has duly accepted nomination. As a result we have sixteen candidates for seven seats, and at normal times I should regard this as a very desirable thing. But it is a matter for serious consideration whether the composition of the Council should be materially altered at the moment. We ought not to play into the hands of the enemy, and it should be obvious that raw beginners cannot take the place of representatives of experience at a time when important decisions may have to be taken at short notice. You report Mr. Linstead (*C. & D.*, April 9, p. 438) as stating that the Departmental Committee now inquiring into the Pharmacy Acts will very seriously change the constitution of the Society. This is surely running ahead of the facts, but whether the statement was justified or not it seems clear that the position is too critical to permit us to indulge in the luxury of a clean sweep of one-third of the Council.

### Scottish Pharmacists

find it difficult to reconcile themselves to the idea of chemists and druggists not being able to present themselves for the higher qualification of pharmaceutical chemist, and I am disposed to agree with them in their contention that the whole matter should be reconsidered and readjusted. The difficulty in the way is, of course, the new degree which the University of London is prepared to grant. In my opinion, a degree in pharmacy is a mistake. It is not needed for the purpose of our business, and it has nothing like the importance of a degree in science. Bachelors of commerce, pharmacy, etc., count for little as compared with bachelors of science, and I should not be surprised to find in time that they are not rated more highly than holders of purchased American degrees. Let pharmacists who want a university degree take the London or other B.Sc., and then we can rearrange our own affairs in our own way. It is simply absurd that pharmacists should not be free to proceed to the highest qualification offered by their own Society, and I fancy your readers would have little patience with the arguments advanced recently at Edinburgh by Mr. Linstead (*C. & D.*, April 9, p. 446).

### Early Closing

seems likely to afford the Home Office another opportunity of meddling with the conduct of the chemist's business; and care must be taken that we are not legislated for like publicans, with fixed hours for opening and closing. Even Mr. Larking, the friend of early closers, is willing to sacrifice us to the needs of those who put off their shopping until the last minute. He classes us (*C. & D.*, April 9, p. 431) and dealers in surgical appliances with the fried-fish shop, and is apparently willing that we should keep open indefinitely. If so, why not revert to the practice of fifty years ago, when no chemists ever closed before 8 o'clock on ordinary days and 10 or 11 o'clock on Saturdays? There was Sunday duty, too, and no half-holidays broke the course of the eternal grind. Seriously, we are not prepared to submit to lengthening of our hours of service, and people who find they require medicines or surgical appliances late at night or at other off times should have special provision made for them, with adequate remuneration for those who have to give the late service. The British workman gets time and a half or more for the hours he works extra: we are expected to do late work at the ordinary terms, though our overhead costs are increased.

### Shall we Know,

I wonder, what the Departmental Committee proposes to recommend in its report, and the extent to which we may be committed by the Pharmaceutical Society's Council, in time to take appropriate action in self-defence if the proposals and terms do not commend themselves to us? One would like to feel that the Council will ere long find it desirable and necessary to tell all the members of the Society and the representatives of other drug-trade interests exactly what they believe will

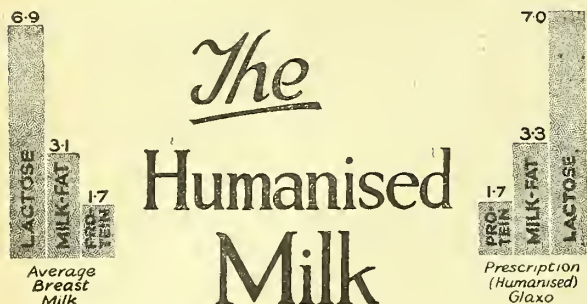
be likely to happen. What concerns all of us ought not to be confided to only a few of us. Apparently those who attend meetings addressed by Councillors or the Society's secretary are told a great deal more than is reported, but things obviously cannot go on like this for ever. We are entitled to know what is actually at stake, what prospect there is of the worst being realised, and what steps the Council proposes to take in defence of our interests if attacked.

### It must be

a matter of difficulty for this generation to capture an idea of the conditions which prevailed in towns and villages before the era of disinfection. The celebrations of the Lister centenary arouse reflections which stimulate comparisons in the minds of those who still retain recollections of the times of Pasteur, Lister and Frederick Crace Calvert. If there are those who wish to know something of the way in which surgical operations were conducted so recently as fifty years ago, they cannot do better than read Sir St. Clair Thomson's address which appears in "The Lancet" of April 9. It is not possible, I imagine, to give any notion of the dreadful, the repellent, variety of odours arising from decomposing vegetable and animal remains that afflicted people who suffered from ordinarily sensitive olfactory nerves. The praises, in my opinion not sufficiently great, paid to that famous surgeon—Lord Lister—by his friends and followers of the medical profession throughout the world, will be augmented by the laity everywhere, and particularly by pharmacists. The advent of disinfectants and deodorants synchronised with the coming of Lister and put the spear-head of practical application upon the researches of Pasteur in the study of parasitical plant diseases, and of Lister in the study of the causes of inflammation and the infection of wounds. It is something of an oversight that no reference—at least, I have seen none—has been made to another Englishman who played a most important part in producing and bringing under the notice of the medical faculty the chief agent used in combating the maleficent germs which Pasteur and Lister revealed as the *diabolus ex machina*. I allude to Frederick Crace Calvert, who, like Lister, was born in London, and whose name is, perhaps, still as familiar to pharmacists as that of the great surgeon himself.

### It may be taken

that the year 1867, when Lister made his first important communication to "The Lancet," marks the beginning of the new era in antiseptic surgery. It is, however, but fair to call to mind the fact that there were other workers prosecuting their studies on similar lines. In this enterprise F. C. Calvert played a part which should not be overlooked. After his period of assistantship to Chevreul he went to Manchester and began to spread abroad the knowledge of the remarkable antiseptic properties of carbolic acid, for the manufacture of which he had taken out a patent. He set himself to the preparation of it in such a state of purity that it could be employed for medical purposes. His influence in Manchester enabled him to interest the medical staff of the Royal Infirmary of that city in the article. In a paper published by Calvert in 1861 he gave a short account of some of the results which were obtained in that institution. He quoted a note which he had received from Thomas Turner, saying that in the proportion of one part in seven of water it had been useful for "fœtid ill-conditioned ulcers"; that "when there is mere caries or ulceration of the bone it effects the healing process, and in necrosis it promotes the exfoliation of the dead portion"; that "in gangrenous and all offensive sores it removes all disagreeable smell and putrescency, and may render the discharge innocuous to the contiguous living and unaffected tissues." Mr. Fred Heath, who was then assistant-surgeon at the infirmary, used the carbolic acid with two parts of water as a lotion in sloughing wounds, and he "found that in a short time, after its application, that it entirely arrests the sloughing process." It is well known that Mr. E. Lund, who was an assistant surgeon at the same institution with Heath, became an enthusiastic supporter of Lister's new methods, doubtlessly because of the knowledge he had acquired in previous years of Calvert's work in connection with carbolic acid.



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## Editorial Articles

### The Budget

THE general comment called forth by Mr. Churchill's Budget statement prompts us to apply to it what was said of a famous peace treaty, that it was "something of which everyone was glad and nobody was proud." This would not, however, be wholly accurate, for it was only too clear that whatever might be the case with others, the Chancellor himself was proud of his financial offspring. And it cannot be denied that, granted his assumption that the circumstances with which he found himself faced were such as might not be expected to recur, he met them in a spirit of hopeful ingenuity which deserves recognition. At the same time there was a general feeling of relief that he found it possible to tide over the crisis without adding seriously to the burthen of taxation. His problem was a formidable one. He had to find the revenue to cover a deficit of £36,000,000, and while doing so to refrain from imposing any tax which could be avoided. The solution he adopted was the simple one of appropriating the accumulated balance of the Road Fund; by requiring the whole of the landlord's property tax (income tax, Schedule A) for the year to be paid on January 1 next, instead of half of it on that date and the remainder on July 1 following; and by cutting down the credit given to brewers for payment of beer duty from two months to one. From these three sources alone he was able to

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count on receiving within the financial year over thirty millions, so that very little remained to be raised by new taxes to secure the Budget equilibrium at which he had to aim. It was only in the case of the change in the dealing with the landlord's property tax that he found it necessary to enter on any serious defence of the step he was taking. Having pointed out that in requiring it to be paid in one sum on January 1 he was merely reverting to the practice which prevailed prior to the war, and that anyhow the additional burden involved in the change would be represented by about £500,000—a comparatively small sum, when it was considered that the total proceeds of the tax under Schedule A amounted to some £40,000,000. Incidentally he announced some changes in the methods of assessment of income tax which may be looked for in the forthcoming Finance Bill, and which will aim at the double object of simplifying the routine of assessment and contracting the meshes of the tax net through which some tax dodgers at present escape. The most productive of his fresh taxes is the not unexpected increase on the duties on tobacco. The rates of these are to range from a Customs duty of 8s. 10d. per lb. on unmanufactured tobacco unstemmed and containing 10 per cent. or more of moisture to the duty on cigars, upon which the charge will be 16s. 10d. per lb. Empire-grown tobacco rates vary from 6s. 9½d. to 12s. 11½d. for cigars. At the same time the scale of Excise duties is fixed at from 6s. 7½d. to 8s. 7¾d. the lb. The return from this in the present year is estimated to amount to over three millions. The next in importance of the new taxes is the increase in the rate of duties on wines. For the purposes of charge, rates of duty on non-Empire wines are to vary according as the wine does or does not exceed 25 degrees of proof spirit. Where wine does not exceed 25 degrees the rate is to be 3s. per bulk gallon; if it exceeds 25 but does not exceed 42 degrees the rate is to be 8s., with an increase of 8d. for every degree or fraction of a degree over 42 degrees. On sparkling wines an additional duty is imposed of 12s. 6d. a gallon, and on still wine imported in bottle an additional duty of 2s. a gallon. In the case of wines of Empire growth the dividing line for strength is fixed at 27 degrees. Where wine does not exceed that strength the duty is to be 2s. a gallon; if over 27 and not exceeding 42 degrees the rate is to be 4s., with an additional duty of 4d. for every degree or fraction of a degree above 42. The rates for sparkling and still wine imported in bottle are for Empire wines to be 6s. 3d., and 1s. per gallon additional respectively. This new tax is expected to bring in about 1½ millions in a year. At the same time, with a view chiefly to stopping a leakage in wine duties traceable to the importation of unfermented grape juice for manufacture into wine in this country, the Chancellor imposed an Excise duty of 1s. per gallon on British wines. The return is not likely to be substantial, but the imposition of a tax, however small, has the advantage from a revenue point of view of bringing the article taxed under official control and observation. An increase in the duty (both Customs and Excise) on matches is expected to yield some £600,000; while the application to imported tyres of the Customs duty already chargeable on other motor accessories is calculated to bring in something more. The list of new taxes closes with that on imported translucent pottery, which has been brought within the range of the Safeguarding of Industries Act, with the prospect of an addition of some £200,000 to the Exchequer. It will, of course, require the experience of their actual working before it will be possible to estimate the effect upon industry of the changes which the Chancellor has proposed. This in turn is likely to be profoundly influenced by the course of the nation's trade in the near future.

And it is perhaps the essential weakness of Mr. Churchill's financial scheme that it rests so largely on the expectation that we have at last got upon the path which leads us out of the industrial slough in which we have so long laboured.

### Therapeutic Substances

DRAFT Regulations have been published entitled "Therapeutics Regulations, 1927," which it is proposed shall come into operation on August 6, 1927. The Regulations, which are made by the Joint Committee constituted by Subsection (1) of Section 4 of the Therapeutic Substances Act, 1925, consist of seven Parts and five Schedules. The all-important point in the Regulations is that the Licensing Authority is the supreme arbiter thereunder on manufacturing methods and testing technique to an extent that recalls war-time procedure. The stringency of the conditions are such that the setting up of new biological or biochemical laboratories for the manufacture of therapeutic substances is practically an impossibility from an economic standpoint, so that the future of these products will lie in the hands of existing makers and of State-aided institutions. It is probable that the Regulations are the most scientific in language and technical detail ever issued under Government authority. Yet on the whole they are clear and free from doubt, particularly as to powers of the Licensing Authority to interpret its own standards. Part I relates to title and interpretation, and states:—

"The Licensing Authority" means the Minister of Health in the application of the Regulations to England and Wales, the Scottish Board of Health in the application of the Regulations to Scotland, and the Minister of Home Affairs for Northern Ireland, in the application of the Regulations to Northern Ireland.

Incidentally a separate paragraph states that "For the purposes of these Regulations one millilitre shall be deemed to be equivalent to one cubic centimetre." Part II concerns the application and grant of licences for the manufacture of therapeutic substances. Conditions precedent thereto are the maintenance of "an adequate staff and adequate premises and plant for the proper manufacture and storage of the substance in respect of which the license is issued." On the other hand the licensee may provide like accommodation for testing the substance or arrange for tests to be conducted at an approved institution. Any inspector authorised by the Licensing Authority is to have the right to enter a licensee's premises and inspect any process of manufacture or testing without prior notice. Other subsections relate to the keeping of permanent records, reporting changes in expert staff and material alterations in premises or plant, as well as supplying a sample of such amount as may be specified. A peculiar condition contemplated is the submission of a sample from each batch for certification before sale in such case as contravention of the Regulations may not be sufficient to justify revocation or suspension of a manufacturing licence. Part III deals with the names of therapeutic substances and the labelling of containers. This part of the Regulations is the only one that directly affects chemists and druggists or other distributors of therapeutic substances for human use. The onus of correct designation, packing, and labelling is on the manufacturer, only prohibition of sale after the prescribed date affecting the retail vendor. In future the "proper name" of a therapeutic substance must appear "in letters not smaller or less conspicuous" than those of its proprietary name, the former being the name stated in the relative Schedule as being "the accepted scientific name or name descriptive of the true nature and origin of the substance."

The proper name of a therapeutic substance must appear on the label if contained in a proprietary medicine. No therapeutic substance is to be sold or offered for sale "unless it has been sealed by the licensee in a previously sterilised glass container in such a manner as will in the opinion of the Licensing Authority suffice to preclude the access of bacteria," though the Licensing Authority may dispense with any of these requirements or those in the relative Schedule, or make such additional requirements as they may deem necessary, having regard to the nature of the preparation. The labelling conditions are numerous, every container having to bear a label on which is printed or written in indelible ink the following particulars (herein abbreviated), and any others specified in the relative Schedule:—(a) Proper name; (b) manufacturer's name and address; (c) licence number; (d) batch number; (e) date of batch; (f) minimum potency (if tested); (g) maximum toxicity (and statement that the substance has passed the toxicity test when this is required); (h) date to which the substance may be expected to retain minimum potency; or not acquire greater toxicity than permitted; (i) percentage of antiseptic added (if any); (j) precautions for preserving properties to date indicated in (h) above. Sub-paragraphs (b), (e), (h), (i), and (j) shall be deemed to be complied with if the particulars be on a label or wrapper affixed to any package in which the container is issued for sale. The date of manufacture (e) is that on which test for potency or toxicity is completed. In absence of test it is the earliest date of animal material, or date when growth was terminated in artificial cultures of organisms. It is also provided that date of removal from cold store shall be treated as date of manufacture if the batch has been kept under cold storage at a temperature not exceeding 5° C. for a period not exceeding two years. Part III, Section 10, reads:—

10. No person shall sell any therapeutic substance after the date recorded on the container, label, or wrapper as the date up to which the substance may be expected to retain a potency not less than, or not acquire a toxicity greater than, that required or permitted by the test, as the case may be:

Provided that a person may at the request of a registered medical practitioner sell after the date aforesaid any therapeutic substance (except such as are required to be tested for maximum toxicity) which loses its potency, if he has previously drawn the practitioner's attention to the dates recorded on the container, label, or wrapper, and the practitioner is satisfied that the sale is required by the urgency of the case.

Part IV concerns the standards of strength, quality, and purity of therapeutic substances and the tests therefor. It is required that every therapeutic substance intended for sale shall conform to the standards in the relative schedule. Tests for sterility (aerobic and anaerobic) are imposed in the case of: (a) sera, (b) bacterial vaccines, (c) toxins and antigens, (d) solutions of insulin, (e) dry preparations of insulin, (f) injections containing pituitary (posterior lobe) extract. The tests are to be applied to samples both before and after filling and sealing containers. The amount of sample and method of testing is also prescribed. Part V relating to licences for the import of therapeutic substances requires the applicant to furnish a written undertaking from the "manufacturer" that he will comply with the conditions of manufacture and inspection set out in Part II (Article 6). It is difficult to imagine how the Licensing Authority can carry out or delegate its power in a foreign country unless this foreshadows international control of therapeutic substances. The holder of an import licence must allow entry of an authorised inspector to his store or testing laboratory (if any) without prior notice. The licensee must also furnish on request such amount of sample as the Licensing Authority may specify,

and shall not sell or offer for sale that batch until a certificate of authorisation is issued. Part VI concerns special licences to import therapeutic substances for the purposes of scientific research. Part VII exempts therapeutic substances intended for veterinary use from the scope of the Act and Regulations, provided that every container bears a label on which are printed or written in indelible ink the words "to be used solely for veterinary purposes." The First Schedule includes the various forms of application for licences. The other four Schedules are virtually a symposium of the method of manufacture and testing of therapeutic substances, which we hope to summarise later. The proposed regulations when in force will impose a rigid departmental control upon therapeutic substances, but only time will show whether the medicinal use of biological products can survive the tests and costs imposed by bureaucracy.

### Insurance Dispensing Terms

THE negotiations with the Ministry of Health as to the terms of future contracts for dispensing by chemists and the supply of drugs for insured persons have reached a critical stage. With a view of effecting economies the Ministry of Health has placed before the Retail Pharmacists' Union two alternative schemes, either of which will mean a reduction in the terms of payment to chemists. We are not in a position to make public the terms offered, but it is right that chemists should know that the prospect of obtaining any improvement on the present payment for Insurance dispensing is far from rosy.

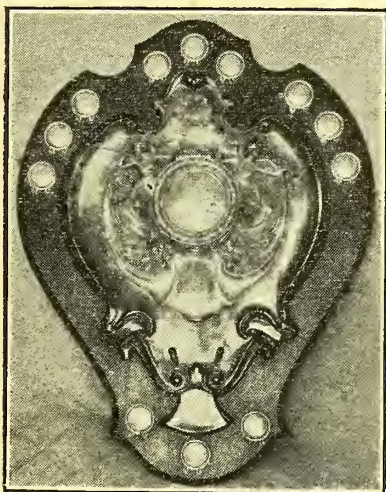
## A Forgotten Turkish Pharmacopœia

By DR. J. ZANNI, CONSTANTINOPLE

RECENTLY, while examining, in the company of Hassan Raouf Bey, the well-known Constantinople pharmacist, the extensive library of the latter's grandfather, who was the celebrated Turkish writer Osman Nedgmi, I discovered a small book bearing the following title: "Pharmacopœa Castrensis Ottomana (Pharmacopœe Militaire Ottomane), par le Dr. C. A. Bernard, Constantinople. Imprimerie de Henri Cajol à Pera, 1844." The author of this work was the Austrian scientist who, under Sultan Mahmoud, was the first to organise a medical and a health service in the Turkish Army and to whom is also due the creation of a medical faculty on Western lines, at that time, however, limited to the training of doctors for the army. That Dr. Bernard was the author of a Turkish Pharmacopœia was unknown to me, and my investigations have failed to bring to light another copy of this highly interesting volume. This pharmacopœia, written in Latin and in French, is a small volume of 160 pages, measuring 5½ by 5¼ inches, in which 350 articles are described. It is divided into four parts: (1) Simple drugs; (2) chemical and pharmaceutical preparations, in which monographs on the preparation of morphine, quinine and santonin are included; (3) pharmaceutical formulas for decoctions, infusions, emulsions, mixtures, pills, liniments, ointments, etc. Among the formulas included in this part mention may be made of that for Cosme's powder, consisting of white arsenic mixed with "the powdered ash obtained from the incineration of the soles of old shoes." The fourth part contains a table of the solubilities of 40 substances in 1 oz. of distilled water at 15° Réaumur; tables of specific gravities and of reagents; a list of the medicaments supplied to army surgeons by the Central Pharmacy, and the approximate amounts to meet the annual requirements of a regiment of 3,500 men. This now forgotten work is largely based on the contemporary Austrian and Italian pharmacopœias, and is particularly interesting from the fact that it represents the first attempt, limited to the use of the Army Medical Service, to introduce a pharmacopœia on Western lines. Now, over eighty years later, the introduction of a national pharmacopœia is at last about to be realised.

## North London Dinner

THE annual dinner and dance of the North London Pharmaceutical Association was held at the Restaurant Frascati, Oxford Street, W.1, on April 7, the President (Mr. J. T. Walters) in the chair. Mr. Walters's success and that of the Association in his second year of office may be gauged not only by the fullness of the Alexandra Room, which holds more than 200, but by the fact that rejected applications for seats ran into three figures. Even this (as grave historians say) is not all. The President and Vice-President of the Pharmaceutical Society were accompanied by eleven of their Council colleagues—Mrs. Freke and Messrs. Hardy, Hines, Humphrey, Jenkin, Keall, Marns, Melhuish, Parry, Rowsell and White, together with Sir William and Lady Glyn-Jones and Mr. Linstead, the secretary of the Society—a circumstance without precedent, so far as we are aware, in association annals. Most of the members of Council found seats at the chief table, at which the President was also supported by Mrs. Walters, Mr. C. G. Bonner (President, Western Pharmacists' Association), Mrs. Bonner, Mr. H. S. Foster (President, South-East London Chemists' Association), Miss Morgan (Florence), Mr. and Mrs. C. A. Noble, Mr. Tucker, and Mr. F. G. Wells (President, South-West London



THE MAW CHALLENGE SHIELD

Chemists' Association). The spur tables were in charge of Messrs. A. H. Jenkin, J. Downing, R. H. L. Watson (Vice-President of the Association), Herbert Skinner (Vice-President of the Pharmaceutical Society), W. E. Swanson, J. Hearle, and John Noble; and among others present we noticed Mr. and Mrs. William Chalmers, Dr. Clarke, Mr. W. B. Falding, Mr. F. Giles, Mrs. Keith, Mr. F. A. Lawman (President, Ealing Pharmacists' Association), Mrs. Lawman, Mr. H. G. Leal, Mr. J. Milner, Mr. H. G. Mumford, Mr. John Royle, Mr. G. A. Tocher, and Mr. and Mrs. W. P. Want. The President referred at the outset, in a few tactful sentences, to the death of Mrs. Skinner, and at his suggestion a vote of condolence with Mr. Skinner was passed in silence. While the company was doing justice to the excellent dinner a small orchestra played, and between the speeches solos and duets were sung by Miss Josie Fearon and Mr. Gwynne Davies, old favourites at association dinners. The imminence of the dance lent brevity to the speeches. In proposing the toast, "The Pharmaceutical Society of Great Britain," Mr. Watson pointed out that much water had flowed under pharmaceutical bridges during the past year. They had plenty to "grouse" about, but could not blame the Society. North London was doing its best in the common interest, and in that connection he paid a tribute to "our guide," philosopher and friend, Mr. Skinner. Mr. F. E. Bilson (President of the Society), responding, said he had often wondered what was the secret of success in North London organisation; he concluded that it must be due

to the thinking out of every detail. Turning to the proceedings of the Departmental Committee, Mr. Bilson remarked that the Pharmaceutical Society had always been on the defensive, chiefly with regard to the qualification. He was grateful for the loyalty of North London. Next came the toast, "The North London Pharmaceutical Association," epigrammatically submitted by Mr. John Humphrey. North London, said Mr. Humphrey, had sometimes been regarded as a stormy petrel, but its work was acknowledged to be for the general good of pharmacy. Its success was chiefly due to the fact that it had had a perpetual secretary since its birth—Mr. Herbert Skinner. After an eloquent reference to the loss of Mrs. Skinner, Mr. Humphrey announced that it was hoped to decorate one of the wards of the North London Hospital, in fulfilment of her expressed wish, with the assistance of the North London members. Mr. Humphrey coupled with the toast the name of the President, and it was accorded musical honours. Mr. Walters's reply was charged with legitimate pride in the history of his association. He announced the opening of a fund for the hospital ward referred to by Mr. Humphrey, and thanked the secretaries and others who had made the dinner so great a success. After welcoming the many distinguished guests present, Mr. Walters referred to the past season's achievements in sport. The Association had won the Maw Challenge Shield at inter-association sports (for the third year in succession), the Glaxo Cup and the Script Team Tournament; and North London would not stand still. The final toast, "Our Visitors," was briefly proposed by Mr. Hearle, who paid a tribute to Sir William Glyn-Jones.

### SIR WILLIAM GLYN-JONES'S SPEECH

Sir William Glyn-Jones, replying, said that pharmacists throughout the country were sharing with the North London Association those kindly feelings regarding Mr. Skinner. Trivialities divided us in public life, but at such times we realised the innate goodness of those with whom we were associated. The President of the Society had asked him to say something about the position brought about by the setting up of the Committee of Inquiry and the possibilities of the future. It was impossible to do that that evening, but he could say that it was true that pharmacy was faced with a crisis, and one of the biggest battles it had ever been called upon to fight lay in front of it. He thought he had noticed some exhibition of timidity at the prospect; that was unjustifiable. The success of any battle depended upon the morale of the troops that were engaged, and the right morale must exist in all ranks of pharmacy. The founders of the Society, he felt sure, were they here now, would welcome the opportunity which, if taken rightly, might do more than anything else to bring to realisation their hopes and the high ideals they had for our calling, and those who followed them could do no less than meet the position with courage. It was for them to take a long view and to show that they were prepared to assert their rights as the people who knew what was best for pharmacy. They must produce a constructive policy for the future, and if they did this there was little to fear. In taking that attitude they must ignore the claims of sectional interests—whether the interests of persons or organisations. Their only duty was to decide what was best for pharmacy. Above all they must see that the authorities treated the profession of pharmacy, as they now treated the medical and dental professions, as an integral part of the health services of the community. They must take care that they were not handed over, like the taxi driver, to have their functions ordered and controlled for them by the Home Office, and, unlike the other professions, have the Police made primarily responsible for the proper carrying out of the pharmacist's duties. The appropriate central authority for supervising the dental and medical professions was good enough for pharmacy, and pharmacists should not tolerate being placed in a different position. Before the room was cleared for dancing, the President presented a replica of the Glaxo Cup to Mr. McClosky. So successful was the dance that at midnight, when the time came for what "Q's" undergraduate called "the lingers and godders," the room was still crowded.

There were 515 prescriptions for insulin issued during the fourth quarter of 1926 for 71 patients, value £181 10s., and 305 for serums and vaccines for 254 patients, value £94 11s. 11d. Sixteen hypodermic syringes were issued

to 15 patients, value £2 12s. 6d., and 159 needles for 28 patients, value £2 18s. 11d. Disallowances during the same period numbered 54, including seventeen brushes, together with eyeshades, finger stalls, elastic anklets, ear droppers, syringes, inhalers, nasal douches, thermogene, pneumonia jackets, ox meat juice and meat enules. The bi-monthly meeting of the Insurance Committee was held on April 4. The Finance Subcommittee recommended payment of accounts amounting to £59,292 11s. 6d. Included were the following amounts to persons supplying drugs and appliances:—For December: to chemists, £5,388 0s. 11d.; to practitioners for vaccines, £6 8s. 11d.; to institutions for drugs, £17 9s. 6d. For January: to chemists, £8,799 11s. 3d.; to practitioners for dispensing fees, £253 8s. 8d.; to practitioners for vaccines, £4 11s. 4d.; to one chemist, 10s. 8d.; special arrangements fund for drugs, £8 10s. 2d.; own arrangements fund for drugs, £13 8s. 3d. The accounts were passed. The Subcommittee's action in debiting the drug fund with the sum of £2 10s. 9d. and refunding this amount to insured persons by whom it was paid was confirmed. The Subcommittee asked that the estimated expenditure of the Pharmaceutical Committee, amounting to £800 for the current year, be approved: this was adopted. It was reported that the total number on the panel of chemists on March 22 was 365. The Pharmaceutical Service Subcommittee reported investigation of a complaint by a firm with regard to the behaviour of an insured person in their shop on the occasion of his returning two bottles previously supplied by them and demanding 6d.; he was informed that 5d. was paid as deposit, and that this amount would be refunded. It was alleged that the person became very abusive and had behaved similarly on four occasions in all. The Subcommittee informed the firm that they could take no disciplinary action, and stated that it was a matter for the police. The Subcommittee's action was approved.

## General Medical Council

A MEETING of the Executive Committee of the General Medical Council was held in London recently, Sir Donald MacAlister (President) in the chair.

### RESTORATIONS

The registrar reported that the names of the under-mentioned persons had been restored to the Medical Register:—

Bloomenthal, Theodore  
Cory, Frank G.  
David, Jesudason S. (S).  
Davin, Alfred L. V. (S).  
Earle, G. M.  
Featherstone, G. W. B.  
George, Thomas W.  
Grundy, M.  
Hardwick-Smith, H.  
Jones, E. B.  
Kamalakar, Divarka  
B. W. R. (S).  
Lane, Clayton A.  
McCulloch, E. E.

McCune, Lancelot G. (S).  
McGann, M.  
McKee, James J. (I).  
McLeod, Herbert W. G. (S).  
McQueen, R. M.  
Martyn, Ernest  
Miller, Wm. (S).  
Murphy, Lionel C. F. (I).  
Nixon, Albert C.  
Spencer-Daniel, John (S).  
Stott, William H. (S).  
Thomson, M. E.  
Waters, J. F. W.

### MIDWIVES' USE OF DRUGS

The attention of the Committee having been called to the Rules of the Central Midwives' Board, inquiry was made as to whether any directions were given as to what drugs the midwife might or might not use in her practice. It was ascertained that the following resolution was adopted by the Board on January 6, 1927:—

"That a midwife is expected to possess competent knowledge of the drugs and solutions used in obstetrics. This instruction is part of her education by the approved teachers.

"The Board has never scheduled drugs which may or may not be used by midwives, having regard to the differences of opinion held by recognised authorities. The midwife is obliged by Rule E 19 to 'note in her Register of Cases each occasion on which she is under the necessity of administering or applying in any way any drug other than a simple aperient, the name and dose of the drug and the time and cause of its administration or application,' and is answerable [to the Board] for the improper use of any drug."

The Committee passed the following resolution:—  
"That in the opinion of the Executive Committee it is expedient that the rules of the Central Midwives' Board should include provisions restricting the drugs and solutions to be used by midwives in their practice; and that a copy of this resolution be forwarded to the Ministry of Health, to the Scottish Board of Health, and to the Ministry of Home Affairs of Northern Ireland."

### DENTAL BOARD NOTICES

The Committee approved the amended "Warning Notice" and "Important Notice" submitted by the Dental Board of the United Kingdom. These substantially repeat the respective notices of November 1922 and February 1924, with the following additions:—

#### Warning Notice.

The contravention by a registered dental practitioner of the provisions of the Dangerous Drugs Acts and the Regulations made thereunder may be the subject of criminal proceedings, and any conviction resulting therefrom may be dealt with as such by the Board and General Medical Council respectively under the powers given them by Section 13 of the Dentists Act, 1878, as amended by Section 8 of the Dentists Act, 1921. But any contravention of the Acts or the Regulations, involving an abuse of the privileges conferred thereunder upon registered dental practitioners whether such contravention has been the subject of criminal proceedings or not, will, if proved to the satisfaction of the Board and the Council, render a registered dental practitioner liable to have his name erased from the Dentists Register.

The practices by a registered dental practitioner:—

(a) of advertising, whether directly or indirectly, for the purpose of obtaining patients or promoting his own professional advantage; or, for any such purpose, of procuring or sanctioning or acquiescing in the publication of notices commending or directing attention to the practitioner's professional skill, knowledge, services, or qualifications, or depreciating those of others; or of being associated with or employed by those who procure or sanction such advertising or publication, and

(b) of canvassing or employing any agent or canvasser for the purpose of obtaining patients; or of sanctioning, or of being associated with or employed by those who sanction, such employment;

are in the opinion of the Board and of the General Medical Council contrary to the public interest and discreditable to the profession of dentistry; and any registered dental practitioner who resorts to any such practice renders himself liable, on proof of the facts, to have his name erased from the Dentists Register.

#### Important Notice

The Board do not approve of a name appearing upon a window when a hanging sign is used; and a name should not appear upon more than two windows. A name or the word "Dentist" in large letters across a converted shop window is objectionable, as is also a window painted an arresting colour. Any advertising for the purpose of procuring patients renders a practitioner liable to be summoned to appear before the Board.

It is desired to point out that in any case the Board only contemplate as possibly permissible the announcement of a change of address or of the days when a periodical visit is made to a locality in which there is no resident dentist from whom advice can be obtained in emergency.

The Board do not approve of practitioners, with a view to giving advice or treatment, calling on persons who are not already their patients unless actually requested by them to do so. The fact that a patient has stated that a friend desires dental treatment is not a sufficient reason for making such a call, and any practitioner who acted in this way might render himself liable to a charge of canvassing for the purpose of obtaining patients.

In cases where a practitioner has a number of branch practices the Board do not approve of announcements which imply, even if they do not state, that the practitioner concerned is in constant attendance when this is not the fact.

The Board consider that such notices as "Panel patients received here," or words to that effect, may be held to constitute an advertisement for the purpose of procuring patients.

The Board do not approve of a dental practitioner paying, or allowing, a commission or discount to any other person or body of persons as a return for patients being sent or recommended to him, or for dental services rendered by him to such patients.

## Soap and Perfumery Trades' Census

THE "Board of Trade Journal" (March 24) contains a statement giving the quantities and values of the main classes of products returned on schedule for the soap, perfumery and candle trades in the years 1924 and 1907. The particulars for 1924 relate to factories, and workshops situated in Great Britain only. In the First Census of Production it was not found possible, except for a very few items, to give separate figures in regard to output in the three divisions of the United Kingdom, owing to the risk of disclosure of information relating to the business of particular firms. Consequently, the figures appearing below in respect of 1907 relate to output in the United Kingdom as a whole, but the comparison is not materially affected by this circumstance:—

Products	1924		1907	
	Quantity	Selling Value	Quantity	Selling Value
Glycerin:—	Cwt.	£	Cwt.	£
Crude, sold or added to stock ..	209,000	493,000	164,000	251,000
Distilled, do. ..	201,000	745,000	153,000	353,000
Total—Glycerin	410,000	1,238,000	317,000	604,000
Soap:—				
Soft .. ..	311,000	483,000	562,000	432,000
Hard:—				
Household and laundry in bars and tablets ..	5,947,000	12,672,000	5,657,000	6,194,000
Polishing and scouring:—				
Manufacturers' ..	163,000	287,000	113,000	146,000
Household ..	420,000	947,000		
Toilet (except shaving) ..	433,000	3,045,000	251,000	946,000
Shaving ..	14,000	212,000		
Other soaps (including soap powder)	1,301,000	3,150,000	857,000	846,000
Soap stock, produced for sale ..	236,000	311,000		
Total—Soap ..	8,825,000	21,107,000	7,440,000	8,564,000
Perfumed spirits ..	88,000 galls.	622,000	—	—
Perfumery, cosmetics and toilet requisites (other than perfumed spirits and soap) ..	—	1,712,000	—	—
Candles, (including night lights) ..	820,000	1,874,000	946,000	1,829,000
Paraffin wax (refined) ..	112,000	225,000	70,000	110,000
Lubricating oils and greases ..	262,000	410,000	—	171,000
Oils, other than lubricating oils ..	540,000	1,301,000	—	241,000
Oil seed cake and meal ..	590,000	226,000	—	—
Washing and scouring materials, other than soap ..	—	598,000	—	23,000
Waxes (other than paraffin wax) refined and blended, and products thereof ..	—	124,000	—	—
Grease, tallow and stearine ..	—	388,000	—	387,000
All other products ..	—	801,000	—	289,000
Total value .. ..	—	30,626,000	—	12,218,000

### PERFUMED SPIRITS

As regards the particulars shown for the year 1924 in respect of perfumed spirits and perfumery, cosmetics and toilet requisites, it will be noted that the statement contains no corresponding data for 1907. In the First Census of Production, firms engaged in the manufacture of these products were instructed to furnish their returns on schedules for the chemical industry, the aggregates returned on all schedules being as follows:—

Perfumed spirits (111,000 galls.) ..	£ 302,000
Perfumery and toilet preparations (except perfumed spirits and toilet soap) .. .. .	612,000

While the particulars given above in regard to the output of these products in 1924 will probably be found to cover the bulk of the trade, further amounts will require to be added on account of the output of firms making returns on the schedules for the chemical and

other industries. The aggregates now shown should not, accordingly, be regarded as final.

### SOAP TRADE PRODUCTION, ETC.

In the case of soap of all kinds and of candles, however, the output of all important factories and workshops is believed to be covered by the particulars shown in the above statement, and any additional amounts requiring inclusion on the summarisation of results for kindred industries may be expected to be relatively small. The aggregates shown above for 1924 in respect of the output of soap and candles are, therefore, taken for comparison with exports and net imports during the same year:—

#### Exports, Imports, and Consumption

Kind of Goods	Production, 1924		Exports, 1924		Net Imports, 1924	
	Quantity	Selling Value	Quantity	Value f.o.b.	Quantity	Value c.i.f.
	Cwt.	£	Cwt.	£	Cwt.	£
Soap.						
Soft .. ..	311,000	483,000	37,000	59,000	2,000	4,000
Hard:—						
Household ..	5,947,000	12,672,000	1,342,000	2,663,000	136,000	320,000
Toilet ..	433,000	3,045,000	66,000	599,000	60,000	200,000
Polishing and Scouring:—						
Manufacturers' ..	163,000	287,000	6,000	13,000	39,000	50,000
Household ..	420,000	947,000	20,000	65,000	15,000	20,000
Shaving ..	14,000	212,000	1,000	26,000	5,000	88,000
Other ..	1,301,000	3,150,000	62,000	266,000	10,000	13,000
Total—Soap	8,589,000	20,796,000	1,534,000	3,691,000	267,000	695,000
Soap stock, produced for sale ..	236,000	311,000	186,000	341,000	28,000	33,000
Candles ..	820,000	1,874,000	171,000	416,000	5,000	20,000

In 1912 the quantity of soap produced in the United Kingdom was returned as 8,315,000 cwt., of which 6,244,000 cwt. was described as hard soap, 532,000 cwt. as soft soap, 364,000 cwt. as toilet soap, and 171,000 cwt. as polishing and scouring soap. The output of candles in 1912 amounted to 1,048,000 cwt. These figures are probably almost complete, in spite of the exemption of small firms from furnishing details of their output.

Of the total amount of soap, including soap stock, made in the United Kingdom in 1907, shown above in the table of products as recorded on schedules for the soap and candle trades, 7,247,000 cwt. was made in Great Britain. This production in Great Britain was thus greater in 1924 than in 1907 by 1,578,000 cwt. The exports in 1907 from Great Britain and Ireland amounted to 1,240,000 cwt., and the net imports to 624,000 cwt. In 1924 1,534,000 cwt. of soap manufactured in the United Kingdom was exported from Great Britain and Northern Ireland, including 172,000 cwt. to the Irish Free State and 1,362,000 cwt. to other destinations. It would appear that the exports from the Irish Free State to destinations other than the United Kingdom in 1924 were negligible in amount, so that the excess of exports in 1924 over those in 1907 was 122,000 cwt., to which should be added the exports of soap stock, not separated from soap in the 1907 record, making a total increase of 308,000 cwt., or about 25 per cent., the comparison, being made for the same area, i.e., the British Isles, at both dates. The net imports of soap in 1924 were 267,000 cwt., including 2,000 cwt. from the Irish Free State, while it appears that about 16,000 cwt. of soap not of British manufacture was imported into the Irish Free State in 1924.

### GLYCERIN OUTPUT

Manufacturers of crude glycerin were required to state the total quantity produced in their works, whether or not it was refined or used by them as a material for the manufacture of other products. The total quantity so returned amounted to 428,000 cwt. Additional amounts of minor importance may be required to be included at a later stage. In the year 1907 the total make of crude glycerin in the United Kingdom was estimated at 356,000 cwt. As crude and distilled glycerin were not recorded separately in the exports and imports in 1907, no comparison of the quantities available for consumption in 1907 and 1924 can be made.

## Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, April 13.

BUSINESS is interrupted this week by the approaching Easter holiday, and the markets will be closed until Tuesday morning, April 19. In crude drugs there is little of interest to report. Ipecacuanha is still quiet, and senega is firmer now that the cheap lots have been disposed of. Madras turmeric is dearer, and in beeswax a fair seasonable business continues. Norwegian cod-liver oil remains firm, with reluctant sellers. Damiana leaves and Dutch caraway seed are dearer. In essential oils business is slow. American peppermint oil is easier—near bids would be entertained; lemon is easier; star anise and cassia are firmer in forward positions. In pharmaceutical chemicals there were no important changes up to Wednesday; salicylates and methyl salicylate are firmer, in view of the continued advance in carbolic acid crystals; foreign citric acid is dearer. Calcium lactate, methyl sulphonal, phenazone and sulphonal are easier. Among industrial chemicals, business is of fair extent; some of the potassium products are dearer, these including carbonate and permanganate. Acetone is lower, as expected; sodium acetate and alum are easier. In coal-tar products, carbolic acid crystals are again higher, and cresylic acid remains firm; toluol is steadier, and pitch has declined. Among the fixed oils, the principal change is a further rise in Hankow wood oil; castor is the turn easier and unsteady; coconut, palm kernel and palm oils are slightly cheaper; linseed is steadier.

Higher	Firmer	Easier	Lower
Caraway seed (Dutch)	Anise, star, oil	Alum	Acetone
Carbolic acid crystals	Cassia oil	Calcium lactate	Palm oil
Citric acid (foreign)	Methyl salicylate	Castor oil	Platinum
Damiana leaves	Salicylates	Citronella oil	Shellac (c.i.f.)
Potassium carbonate	Senega	Coconut oil	Sodium diethylbarb.
Potassium permanganate	Steadier	Palm kernel oil	Spearmint oil (Amer.)
Turmeric		Peppermint oil (Amer.)	Sulphonal
Wood oil (Hankow)	Benzols	Pitch	Turpentine
	Toluol	Sodium acetate	

### Cablegram

BERGEN, April 13.—The catch of cod since the opening of the season amounts to 49,900,000, against 43,600,000 at the corresponding period of last year, and the yield of steam-refined non-freezing oil is 57,668 hectolitres, against 69,195 last year. The quotation for finest new steam-refined non-freezing Lofoten oil is 135s. per barrel, c.i.f. London.

### Crude Drugs, etc.

ANTIMONY.—Business in Chinese regulus has been quieter on the approach of the holidays, but the tone kept very steady, the terms wanted for near parcels being £51 10s. to £52 per ton c.i.f., while spot lots are held for £54. There has been no alteration in English high-grade refined, standing at £74 10s. to £75. Chinese crude on the spot is nominally about £35 10s. to £36.

CADMIUM.—There is a continued good demand for Australian metal at the "pegged" price of 1s. 10d. per lb., and other descriptions are quoted 1s. 11d., but remain neglected.

CARAWAY SEED is dearer, shippers quoting Dutch for prompt shipment at 40s. per cwt. c.i.f., and for new crop, July-August shipment, 43s. c.i.f. is wanted; weak holders have apparently been eliminated.

CARDAMOMS.—The landings in London during March amounted to 318 and the deliveries to 306, leaving a stock of 1,750, against 693 in March last year.

CLOVES are quiet, Zanzibar offering at 8½d. per lb. on the spot. March-May shipment is offered at 8d. per lb. c.i.f., and April-June shipment at 8¼d. c.i.f. The landings in London during the week ended April 9 were 1,942 and the deliveries 1,002, leaving a stock of 11,005 bales, against

18,188 bales in 1926, and 11,664 bales in 1925. Up to April 9 the landings of Zanzibar in London have been 9,836, against 8,263 in 1926, while the deliveries amount to 6,084, against 7,230 last year.

COD-LIVER OIL still remains very firm, owing to the reduced yield. Sellers of 1927 non-freezing steam-refined Lofoten oil quote 133s. to 135s. per barrel c.i.f., with a reluctance to offer for forward shipment.

ALESUND, April 4.—The fishing at Lofoten has continued in the same satisfactory way, and the production of oil in that district has increased by about 12,000 hectolitres during the last fortnight. In all other districts the fishing has, however, been very poor. The total output of all Norwegian fisheries up to April 2 is as follows:—

	Cod in millions	Unfiltered c.l.o.
1927	.. .. . 42.9	49,990 hect.
1926	.. .. . 36.5	50,469 hect.
1925	.. .. . 30.2	55,711 hect.
1924	.. .. . 28.4	58,410 hect.

As will be seen from the above figures, the deficit in the quantity of cod-liver oil now exceeds 10,000 hectol., and on account of the lean condition of the livers the deficit is likely to become bigger from week to week after this. It is quite precluded, therefore, that this year's crop will reach that of 1926, and in view of this the price advanced quite materially in the course of last week.

DAMIANA LEAVES are higher; spot holders are asking 1s. to 1s. 1d. per lb., but supplies are practically cleared; to arrive, 1½d. to 1s. c.i.f. is mentioned, but quotations are not firm.

GUM ACACIA is quiet, with Kordofan sorts offering at 45s. per cwt. on the spot, and for April-May shipment 41s. c.i.f. is quoted; cleaned is 47s. 6d. spot, and April-May shipment 43s. c.i.f. Exports of acacia gums from the Sudan during January-February 1927 were 3,957 tons, against 4,083 tons for the same period of 1926.

IPECACUANHA still continues quiet, sellers of Matto Grosso quoting 25s. to 26s. per lb. on the spot; Minas, 23s. to 24s.; and Cartagena, 15s. to 16s. For April-May shipment, about 26s. per lb. c.i.f. is quoted for Matto Grosso. The principal offers for forward shipment are from Continental sources.

According to the London drug statistics, the landings in London during March amounted to 13 Matto Grosso, six Minas and ten Cartagena, the deliveries being 29 Matto Grosso and 11 Cartagena. The stock on March 31 was 42 Matto Grosso (149 last year), six Minas (ten last year), and 39 Cartagena (nil last year).

MENTHOL is dull of sale at 17s. 6d. per lb. for Kobayashi-Suzuki; for January-March shipment 16s. 9d. c.i.f. is quoted.

MERCURY.—The market is strong, business having been repeatedly done this week up to £23 per bottle on the spot, less 3 per cent. Arrivals have remained very small, and there is practically nothing offering from the Continent. Cable from New York stated that \$123 was paid for a 100-bottle lot, inclusive of the duty.

OPIMUM is quiet and unchanged at 2s. per unit for usual Turkey druggists' quality.

CONSTANTINOPLE, March 31.—"During the past fortnight arrivals consisted of: Druggists', 2,260; 'softs', 173; and Malatia, 343 cases. Stocks amounted to: Druggists', 546; 'softs', 103; and Malatia, 300 cases. Sales included 72 cases druggists' at £226-283, and 9 cases Malatia at £27½. With the rate of exchange at 955 piastres, sterling shows a decline of 1½ per cent. During the past week the Japanese factory purchased 5 cases opium, and it would appear that manufacturing is now in progress. The weather is on the whole favourable for gathering the crop, but rain would be welcome. With regard to the figures given above of the stocks in hand, about 300 cases druggists' must be deducted as unsaleable, as well as the entire stock of 'softs,' for which exorbitant prices are being asked. The prices asked for Malatia are excessive, and for this reason it is not possible at present to follow the European market."

PEPPER is quiet but steady, the value of fair black Singapore being 10½d. per lb., and March-May shipment 10d. c.i.f. Lampong on spot is 10½d., and March-May shipment 10½d. c.i.f. Tellicherry is 11d. spot, and March-May shipment 95s. c.i.f. Alleppy is 11d. spot, and March-May shipment 95s. c.i.f. White Muntok is 1s. 6½d. spot, and March-May shipment has been sold at 1s. 5½d. c.i.f.

PLATINUM.—Under the continued slackness of trade demand and increased outside competition, the selling limit of the leading refiners has been reduced to £21 per oz., while outside sellers are taking business at about 5s. to 10s. under that figure. The quotation for raw metal is also down, standing at about £18 10s. per oz.

RHUBARB.—The landings in London during March amounted to 27 chests and the deliveries to 24, leaving a stock of 120, against 314 in April 1926.

RUBBER is firm, although there is no material alteration in prices. Shipments from the East continue heavy and much larger than anticipated by the market, but in spite of stock increase importers are not at all inclined to force sales. A certain amount of rubber is let out at 1s. 8d., but at no

time is there any selling pressure by spot holders. Arrivals last week were very heavy, viz., 3,359, whilst deliveries were correspondingly large, viz., 2,132 tons; the increase in stocks amounting to 1,227 tons on the week. The London stock now stands at 63,861 tons. Quotations (Tuesday, 5 p.m.):—No. 1 standard ribbed smoked sheet, spot and April, 1s. 8d.; May-June, 1s. 8½d.; July-September, 1s. 8¾d. per lb.

SEEDS are unchanged and business is very difficult, there being no interest shown, and prices remain about the same. ANISE.—Spanish is 49s., and Russian is 30s. CANARY SEED shows no demand. Mazagan is 16s. 10½d.; Saffi, 16s. 6d.; Tangier, 17s. 6d. per cwt., and good bold Spanish 28s.; small 22s. CUMIN SEED is scarce. Morocco at 32s. 6d. and Malta 42s. 6d. spot. CORIANDER SEED is scarce. Morocco 42s. 6d., and Russian 30s. spot. FENUGREEK SEED.—Morocco is offering at 16s. 6d. spot. DILL SEED is 22s. HEMPSEED.—Manchurian is 14s. to 15s. LINSEED.—Mazagan has sellers at 20s. 6d. spot. MUSTARD SEED.—English is 30s., but without demand.

SARSAPARILLA.—The landings in London during March amounted to 11 and the deliveries to 26, leaving a stock of 191 bales, against 197 in March last year.

SENEGA.—Spot sales have been made at 3s. 4d. per lb. for further supplies 3s. 5d. is asked; demand is quiet.

SHELLAC has an easy undertone, the spot value of usual standard TN orange quality being 160s. per cwt.; fine orange is 190s. to 290s., pure button 210s. to 220s., and AC cakey 175s. to 180s. To arrive, sales of TN for March-April and April-May have been made at 162s. to 150s. c.i.f., sellers quoting 155s. c.i.f. For delivery, the sales include May at 158s. and August at 164s. to 159s. Calcutta spot is rs.75. Arrivals last month were large at 8,008 cases, against which deliveries were quite satisfactory at 7,167 cases, and the stocks were increased by 841 cases to 20,143 cases, as against 15,549 cases a year previous.

TRAGACANTH.—The landings in London during April amounted to 3,711 packages and the deliveries to 1,467, leaving a stock of 9,892 packages, against 3,161 in March last year.

TURMERIC is dearer at 27s. 6d. per cwt. for fair sound Madras finger, and 25s. for wormy on the spot. For shipment 24s. to 25s. c.i.f. is quoted. Cochin split bulbs is 15s. c.i.f.

WAX, BEES.—Fair spot sales have been made recently at firm prices, including Nyasaland at £3 7s. 6d. per cwt. New Zealand at £9 and Morocco at £8 2s. 6d. Benguela is quoted at about £8 10s. spot, and £8 3s. c.i.f.

The landings in London during March amounted to 351 packages, and the deliveries to 962, leaving a stock of 1,521, against 805 in March 1926.

### Essential Oils

THERE are few important price changes to record. Star anise and cassia are firmer to arrive. Japanese peppermint is dearer. Ceylon citronella is a shade easier. Spearmint has declined. Sicilian oils are easier. East Indian sandalwood is expected to advance.

ANISE (STAR).—"Red Ship" on the spot is unchanged, with sellers at 2s. 9d. per lb. for leads. Tins are scarce at 2s. 6d. Forward offers are not being made freely, and a firmer tendency is noted. For leads, 2s. 5½d. c.i.f. is wanted, and drums 2s. 2½d. to 2s. 2¾d. c.i.f. Tins are quoted at 2s. 2½d. c.i.f.

BERGAMOT is cheaper to arrive at from 27s. to 27s. 3d. per lb. c.i.f. to arrive. On the spot, 28s. to 28s. 6d. is wanted.

CASSIA.—Spot is steady at 7s. per lb. for 80 to 85 c.a., and for shipment 6s. 6d. c.i.f. is about the value, being firmer.

CITRONELLA is easier at 1s. 4½d. to 1s. 5d. per lb. on the spot, and for shipment at 1s. 3½d. c.i.f. For Java, 1s. 9½d. to 1s. 10d. is asked, which is unchanged, and 1s. 8½d. c.i.f.

The total exports of Ceylon citronella oil in 1926 amounted to 1,445,182 lb., against 1,407,800 in 1925. Exports to the United Kingdom and other European countries increased, but those of the U.S.A., Australia, New Zealand, and India, etc., declined. The following are the export figures in lb., those appearing in parentheses being the corresponding figures for 1925:—United Kingdom, 431,856 (323,446); France, 50,765 (48,916); Germany, 126,398 (111,033); Holland, 47,597 (32,020); Italy, 24,144 (17,026); Australia and New Zealand, 83,267 (98,987); U.S.A., 575,560 (636,797); India, 36,422 (53,646); China, 34,427 (43,887); other countries, 34,716 (42,042).

COPAIBA OIL is quoted on the spot at 3s. 9d. per lb.

EUCALYPTUS.—Spot is unchanged at 1s. 8½d. to 1s. 9d. per lb. for 70 to 75 cineol; 75 to 80 is 1s. 10½d. It is reported that Victoria eucalyptus distillers recently interviewed the Minister for Forests with a view to endeavouring to improve the price of the oil in London.

GERANIUM.—The demand continues slow and values remain unchanged at about 11s. to 11s. 6d. per lb. for Bourbon. For shipment 140 fr. per kilo c.i.f. has been quoted.

Algerian on the spot is steady at about the same level, but forward shipment is quoted at about 165 fr. (quay Algiers).

LEMON.—The Sicilian market continues to fluctuate at frequent intervals, following closely exchange movements. This week lower quotations are made for some brands at from 8s. 7d. to 8s. 11d. per lb. c.i.f., but up to 9s. 3d. c.i.f. is still current. On the spot, holders are asking 9s. 3d. to 9s. 6d.

LEMONGRASS.—Cochin is cheaper on the spot at 3s. 5d. per lb. For shipment 3s. 3½d. c.i.f. is quoted.

LIME.—Further small sales of West Indian distilled have been made at 28s. per lb., but the bulk of the supplies are held at 30s.

PALMAROSA on the spot is unchanged at 9s. per lb. for original pots.

PATCHOULI is steady at from 37s. 6d. to 40s. per lb. for Penang on the spot. A fair demand has been noted recently.

PEPPERMINT.—American natural tin oil is unchanged at 17s. 6d. per lb. on the spot, and prompt shipment easier at 16s. to 16s. 6d. c.i.f. May-June shipment is 15s. 6d. c.i.f. Probably bids on these prices would be considered. Japanese demethylolised is firm at from 7s. 6d. to 7s. 7½d. on the spot. A fair amount of activity has been reported in forward shipment as a result of sellers being short. There are buyers of January-March and April-May at 7s. 9d. to 8s. c.i.f.

SANDALWOOD.—There is a distinctly firmer tendency in B.P. East Indian oil. Recently the consignees advanced the spot price by 3d. a lb., making the current quotation 25s. 3d. for single cases and 24s. 3d. for five-case lots, but it is probable that a substantial official advance may be made later in the year. Australian 90 per cent. is quoted at 14s. 6d. per lb., and 94 per cent. 18s. 6d.

SASSAFRAS.—Genuine American is obtainable at 4s. per lb., which is unchanged.

SPEARMINT.—American has again declined, original cases being quoted at 16s. 9d. per lb., and tins at 17s. 3d.

SPRUCE.—American is quoted on the spot at 3s. 9d. per lb.

The following arrivals have taken place from the countries indicated during the period March 30 to April 5 (inclusive):—Anise (star) (Fr. Indo-Ch.), 17 cs.; bay (B.W.I.), 11 cs.; cananga (Jv.), 1 dm.; cedarwood (U.S.), 3 dm.; citronella (Jv.) 18 dm., (Holl.) 3 dm.; copaiba (U.S.), 5 cs.; geranium (Réun.), 2 cs., 1 dm., (Fr.) 4 dm.; gingergrass (Br. Ind.), 4 pots; juniper berry (Ger.), 2 cs.; lavender (Fr.), 3 cs.; lemon (It.), 55 cs., 4 x ½ cs., (Ger.) 1 cs., (U.S.) 5 dm.; lemongrass (Br. Ind.), 2 dm.; lime (Can.) 1 dm., (B.W.I.) 10 cs., 30 x ½ cs.; palmarosa (Br. Ind.), 2 pots; peppermint (U.S.), 38 cs.; petitgrain (Fr.) 11 cs., (Argent.) 10 cs.; pine (Fr.) 8 cs., (U.S.) 3 cs.; sandalwood (Br. Ind.), 100 cs.; spike (Sp.), 6 dm.; thyme (Fr.), 8 cs.; wormseed (U.S.), 3 cs.; undescribed (It.), 5 cs., 2 dm., (Ger.) 2 cs.

### Pharmaceutical Chemicals, etc.

THE advances in prices recorded last week are generally maintained. Owing to to-day's high value of carbolic acid crystals, prices for salicylates may be expected to advance, and these markets are already a good deal firmer. Continental prices for citric acid are now too high to allow of much business for this market in competition with the home make.

ACETANILIDE is steadier at 1s. 6d. per lb. for spot. B.P. crystals and powder; business has not been of much account.

AMIDOPYRIN has been moving steadily, with dealers' bottom prices at 8s. 6d. to 8s. 9d.; 9s. is quoted for small lots, spot.

ASPIRIN is steady, with dealers quoting from 2s. 5d. to 2s. 6d. per lb., as to quantity and brand. British makes at about the same figures; market firm.

BARBITONE is steady at 6s. 4d. to 6s. 6d. per lb., with a fair volume of business being done.

BENZALDEHYDE remains quiet at 1s. 9d. per lb., in demi-johns.

BENZOIC ACID (B.P.) keeps very steady; British, 2s. 3d. to 2s. 4d. per lb., ex works; Continental, p.f.f.c., 3s. 6d. spot.

BROMIDES.—There is nothing to add to our comments of last week; prices are unchanged, with pot. crystals short on spot: ammonium, 2s. 1½d. to 2s. 1¾d.; potassium, B.P. crystals, fully 1s. 9½d.; granular, from 1s. 9d.; sodium, B.P., 1s. 11d. per lb.

CALCIUM LACTATE continues steady at 1s. 2d. to 1s. 3d. per lb. for quantities to arrive; inquiry is fair.

CHLORAL HYDRATE.—Duty-paid crystals show no change, with dealers quoting 3s. 2d. to 3s. 3d. per lb.

CITRIC ACID (B.P. crystals).—The Continental quotation has now advanced to 1s. 5½d. per lb., less 5 per cent., c.i.f.; spot parcels would be about 1s. 4½d. to 1s. 5d.

CREOSOTE (B.P.) remains quiet on a steady market: dealers quote 1s. 9d. per lb., in demi-johns.

CREOSOTE CARBONATE is being cut in some quarters, with sales reported at 5s. 10d. to 5s. 11d. per lb. for quantities.

GUAIACOL CARBONATE continues in good request and prices are steady at 5s. to 5s. 3d. per lb.

HEXAMINE has remained subdued, but prices are quite steady: quoted from 2s. 4d. to 2s. 5½d. per lb., according to quantity and grade.

HYDROQUINONE is still very quiet for the time of year: dealers offer at 3s. 11½d. per lb. and upwards, spot.

LACTIC ACID is unchanged: B.P., from 2s. 6d. per lb. upwards as to quantity; technical, 50 per cent. by weight, £39 per ton, spot.

METHYL SALICYLATE is firmer, with British makers quoting at 1s. 6½d. per lb. for quantities, in carboys.

METHYL SULPHONAL is moving in fair quantity, with prices easier at about 10s. 9d. to 11s. per lb.

PARAFORMALDEHYDE (100 per cent. powder) continues to be quoted at 1s. 9d. spot and a shade less for quantities to come forward.

PARALDEHYDE is unchanged at 1s. 1½d. to 1s. 2½d. per lb., as to quantity and packing; market quiet.

PHENACETIN.—Prices are very keen for good business: sales from 2s. 10d. to 3s. per lb., as to quantity.

PHENAZONE has been moving in better quantity at from 4s. 6d. to 4s. 9d. per lb. for quantities.

PHENOLPHTHALEIN is very steady now that the second-hand parcels are cleared: dealers quote from 6s. 1d. to 6s. 2d. per lb.

PIPERAZINE remains dull at 2s. per oz., in bottles.

POTASSIUM PERMANGANATE (B.P. crystals).—The position is as reported last week, with the market firm at about 6½d. per lb., in drums; five-ton lots are offered at £37 15s. per 1,000 kilos, f.o.b. Hamburg.

POTASSIUM SULPHOGUAIACOLATE is slow at about 5s. per lb.

RESORCIN has been in steady call, with dealers doing well on their quotation of about 4s. 3d. per lb.

SALICYLIC ACID (B.P.) is holding firm and tends to harden: quotations are now reported at about 1s. 4½d. and upwards per lb.

SALOL is steady under the new rates of 2s. 3½d. to 2s. 3¾d. per lb., and 1½d. per lb. more for powder.

SODIUM BENZOATE (B.P.) is receiving fair inquiry with prices unchanged at 1s. 8d. to 1s. 9d. per lb. as to quantity.

SODIUM DIETHYLBARBITURATE remains dull at 9s. to 9s. 3d. per lb.

SODIUM SALICYLATE.—Quotations are, so far, substantially unchanged, but there is a firmer tone, tending towards higher prices: B.P. crystals, 1s. 10d.; powder, 1s. 9½d. and upwards per lb.

SULPHONAL is slightly easier, with dealers doing fairly well on their quotations of 7s. 3d. to 7s. 6d. per lb.

TANNIC ACID.—B.P. *levis* has been in fair demand and is steady: 2s. 8d. to 2s. 10d. per lb. as to quantity.

TARTARIC ACID (B.P. crystals).—Dealers' prices, based on Continental offerings, are maintained at last week's rates of 1s. 2½d. to 1s. 2½d. per lb., less 5 per cent.; business is small.

TERPIN HYDRATE remains slack at from 1s. 6d. per lb. upwards.

THYMOL remains very quiet: offers are from 11s. 3d. to 11s. 6d., while other sources are still asking 11s. 9d. for small lots of B.P. fine white.

VANILLIN (100 per cent. from cloves).—Only small business is reported, with prices ranging from 17s. 6d. to 18s. per lb., on quotation.

Among the chemicals which have paid Key Industry duty during the period March 24 to April 2 are the following:—Acetone, £1,016; anaesthetics, £147; argyrol, £700; butyl alcohol, £1,591; cocaine hydrochlor., £250; dichlorethylene, £343; formic acid, £142; hydroquinone, £160; isopropyl alcohol, £1,386; magnesium hydroxide, £545; medicinal preparations, £370; methylcyclohexanol, £111; nickel hydroxide, £479; potash bromide, £140; quinine ethyl carbonate, £220; sodium glycerophosphate, £104; sulph. arsonol, £538; vanillin, £372; undescribed chemicals, £1,889.

### Industrial Chemicals, etc.

London, April 13

SOME important changes in potassium products are recorded this week. Permanganate, carbonate and caustic are higher under their respective conventions. Acetone prices have been revised, as forecasted in our last report. Other products are about level on the week, with a fair volume of business.

ACETIC ACID continues steady at unchanged prices: 80 per cent. technical and 80 per cent. pure, £37 per ton, in barrels; glacial, pharmaceutical, 99 to 100 per cent., £65, in glass demijohns; glacial, in barrels, £56 per ton, ex wharf.

ACETONE.—Prices have been revised by agreement and are now quoted from £55 for ten-ton lots up to £63 10s. for one-ton lots of B.G.S., in drums, ex store or wharf.

ALUM is slightly cheaper this week, with lump offered at £8 12s. 6d. per ton, in casks, ex store; cheaper forward in quantities.

AMMONIUM CHLORIDE is steady but dull: dealers quote grey galvanising at £22 per ton, in casks, ex store; cheaper for contracts.

ANHYDROUS AMMONIA has been more active, and dealers' prices for spot 99.95 per cent. are now firm at 1s. 1d. per lb., in loaned cylinders, carriage paid.

ARSENIC is sluggish, and offers of Cornish white powdered are from £16 to £16 10s. per ton, f.o.r. mines.

BARIUM CHLORIDE remains slack, and spot lots are offered down to £8 15s. per ton for 98 to 100 per cent. prime white crystals, in casks, ex store.

CALCIUM CHLORIDE is quoted by makers at £5 to £5 5s. per ton, carriage paid.

COPPER SULPHATE.—The export demand has been quieter, but deliveries against current contracts are on a good scale. The tone is steady, the cheaper sellers in Lancashire asking about £23 17s. 6d. to £24, while associated makers' terms vary from £24 5s. to £24 15s. f.o.b. for casks f.o.b., less 5 per cent.

CREAM OF TARTAR.—A satisfactory volume of business continues, with sales of Continental 99 to 100 per cent. at 97s. 6d. per cwt., less 2½ per cent.; up to 100s. is asked for small lots.

EPSOM SALT is in fair request, mostly for forward delivery: spot commercial, in single bags, £4 17s. 6d. to £5 per ton, ex store; cheaper forward in quantities.

FORMALDEHYDE is very steady, with dealers quoting 40 per cent. by volume at £40 per ton, ex store.

FORMIC ACID is firm, with business on a fair scale: 85 per cent. £45 10s. per ton, in carboys, ex wharf.

GLAUBER'S SALT is quoted on spot at £3 12s. 6d. per ton for commercial quality, in single bags, ex store; cheaper rates forward in quantities.

LEAD PRODUCTS.—Lead acetate is unchanged: red lead, imported, £34 per ton, c.i.f. London; white lead, dry, £33; ground in oil, £34 10s. per ton, c.i.f. London. Market has been quiet all the week and closes barely steady.

OXALIC ACID continues active and is very steady at 2½d. to 3d. per lb., ex wharf, for large quantities.

POTASH (CAUSTIC).—The new rates under the Continental Convention are holding firm: spot, 88 to 92 per cent. solid, £50 10s.; 15 tons or more, £28 15s. per ton, c.i.f. U.K. port.

POTASSIUM CARBONATE has been advanced, with dealers' prices as follows: 90 to 92 per cent., £25; 96 to 98 per cent., £28 per ton, in casks, ex store; cheaper prices for contracts.

POTASSIUM CHLORATE remains dull at from 3d. to 3½d. per lb., according to quantity.

POTASSIUM PERMANGANATE.—Commercial quality is firm, and new stuff to arrive is firm at 5½d. to 5½d. per lb., in drums, ex wharf.

POTASSIUM PRUSSIAN is firm and steady at 7½d. per lb., in casks, spot and forward.

SODIUM ACETATE remains dull, and spot holders are now willing to shade their quotation of £18 5s. per ton, in casks, ex store, for good business.

SODIUM BISULPHITE.—Powder (60 to 62 per cent.) is quoted at £17 10s. per ton by makers, one-cwt. drums included, for home market.

SODIUM CHLORATE is still quiet, and prices remain at about 3d. per lb. for quantities to arrive.

SODIUM HYPOSULPHITE has been inquired for in better volume; prices are steady: dealers offer pea crystals at £15 7s. 6d. per ton, in one-cwt. kegs, and commercial lump at £9 per ton, in casks, ex wharf. British makers' price for pea crystals to home consumers on contract, £15 5s. per ton, carriage paid to buyer's station.

SODIUM NITRATE remains very slack in London: 95 per cent., £13 10s.; 96 per cent. refined, £13 17s. 6d. per ton, f.o.r. docks, London.

SODIUM NITRITE is more or less idle in London: 100 per cent. basis offered at £20 per ton, and 19s. per cwt., docks, London.

SODIUM PRUSSIAN is steady and meeting with fair business; spot and forward, 4½d. per lb., in casks.

COAL-TAR PRODUCTS, ETC.—Prices for carbolic acid crystals have again advanced considerably and the market continues very firm and active. Pitch is again easier on a slack market. Cresylic acid and creosote oil are steady and moving well. Business generally has been fairly satisfactory. ANILINE OIL has been in good demand, with quantities at 7d. per lb., in loaned drums, carriage paid. ANILINE SALT continues steady as quoted from 7d. per lb., packages extra, carriage paid. BETANAPHTHOL is bright as quoted at 1s. per

lb., carriage paid. TOLUOL is steadier, although rather quiet: commercial 90's, 1s. 6d.; pure, about 2s. 2d. per gallon, ex works. XYLOL remains flat and unsteady: commercial, 2s. 1d.; pure, about 2s. 5d. per gallon, ex works. CARBOLIC ACID CRYSTALS.—The position is fully maintained. Prices have advanced quite 1d. per lb. since last week. Business is now being done for August-September delivery at 9d. per lb., f.o.b., and all indications point to maintenance of the present position. CRESYLIC ACID.—Good business for export has been done since last week at 2s. 3d. per gallon naked for standard pale quality; the market is firm. NAPHTHALENE remains quiet, with Continental flakes and balls quoted at about £14 per ton, f.o.b. Hamburg. PYRIDINE is very slack: offered freely at about 8s. per gallon, f.o.b. Pure METHYL ALCOHOL in small lots is quoted at about £46 per ton, in drums, ex wharf; less for large parcels to arrive. PITCH has slackened off and prices are now down to 80s. to 85s. per ton, f.o.b., according to district.

#### Fixed Oils, etc.

THE only outstanding change is a further advance in prices for Hankow wood oil. Other markets remain generally dull and a few further slight depreciations in value are recorded. ACID OILS are unsteady on quotation, with the market dull: coconut and/or palm kernel, 35s.; groundnut, 32s. 6d.; soya, 24s. 6d. spot. CASTOR is dull and unsteady: pharmaceutical, 55s.; first pressings, 50s. 6d.; second pressings, 47s. 6d. per cwt. spot, in barrels, in not less than one-ton lots. COCONUT remains slack and rather easier: deodorised, 47s.; Ceylon, 39s. 6d. c.i.f.; Cochin, 44s. c.i.f. COTTON is substantially unchanged and business is still poor: deodorised, 45s. 6d.; common edible, 43s. 6d.; soap-making, 41s.; crude, 37s. spot. GROUNDNUT.—Business remains poor and prices unchanged: deodorised, 52s.; crude Oriental, 46s. c.i.f. PALM KERNEL is slightly easier and slack: deodorised, 46s. 3d.; crude, 39s. 9d. spot. PALM.—Prices continue to fall for all grades and the market is still dull, closing easy and irregular: Lagos, 34s. 3d.; softs, 33s. 6d.; mediums, 33s. 6d.; hards, 33s. 7½d.; bleached, 36s. 9d. spot. RAPE is quiet and unchanged: refined, 49s. 6d.; crude, 47s. 6d. spot. SOYA remains flat and irregular: deodorised, 40s. 6d.; crude, 38s. spot. LINSEED (raw, naked).—At about level rates on the week for all positions, the market is now steadier: on spot, 31s. 6d.; April, 30s. 6d.; May-August, 30s. 10½d.; September-December, 31s. 9d. Boiled oil, spot, 35s. 6d. TURPENTINE shows a slight recovery on the week, but the market is still dull and rather unsteady: on spot, 45s. 6d.; May-June, 46s.; July-December, 47s. 9d. WOOD.—Hankow on spot, in barrels, has now advanced to 135s. per cwt. and is very firm.

LUBRICATING, MINERAL, BURNING OILS, ETC.—There is no change of importance to record. Lubricating oils are dull and unsteady on spot. BENZOL is steadier: standard motor, 1s. 6d. per gallon, ex works, in tank wagons; crude 65's, 1s. 1½d.; pure, 2s. FUEL OIL is unchanged; market steady but quiet: 950 gravity, £4 5s.; 890 gravity, £4 15s. per ton, ex tank. PARAFFIN WAX and SCALE.—Wax remains quiet and is easy at 2½d. to 4½d. per lb., according to melting point, in bags; scale is offered at about £17 12s. 6d. per ton, c.i.f. U.K. port. PARAFFIN OILS are unchanged: American standard white, 1s. 1d.; water-white, 1s. 2d. per gallon; barrels free: Russian prime white kerosene, 6½d. to 7d. ex tank, 7½d. buyer's barrels filled free, 11d. per gallon, barrels free, ex wharf, London. WHITE OILS are unchanged and the market quiet and easy: special No. 1, £24 15s.; No. 1, £23 15s.; No. 3 half-white, £21 10s.; No. 4 half-white, £16 5s. per ton, drums and barrels free, ex wharf, London. SOLVENT NAPHTHAS show a little more business and prices are unchanged: 90 to 160, 1s. 4d.; heavy 90 to 190, 1s. per gallon, naked at works. PETROLEUM JELLIES are unsteady and easy, with the market dull: white to snow-white, £33 to £57; amber and yellow, £18 to £23; dark stiff green, £12 5s. per ton, barrels free, ex wharf. LUBRICATING OILS.—Prices are being maintained, but the market is unsteady and quiet: spot, pales, £10 to £21; reds, £12 7s. 6d. to £18 15s.; dark cylinders, £12 5s. to £30 10s.; filtered cylinders, £19 15s. to £33 per ton, less 2½ per cent., ex wharf, London; lower prices for large quantities. SOLUBLE OILS and CUTTING COMPOUNDS, £19 10s. to £27 10s. per ton, net. No. 1 RUSSIAN OIL is offered on spot at £15 5s. per ton, less 2½ per cent., barrels free, ex wharf, London.

#### Sierra Leone Ginger

THE export of ginger from Sierra Leone during 1925 showed an increase of 10,413 cwt. (£14,109) over the figures for the preceding year, but prices were not quite so good. In all, 21,920 cwt. was shipped to the United Kingdom and 21,411 cwt. to the United States of America. The United Kingdom market for Sierra Leone ginger is thus shown to be improving, as in 1923 the United States of America absorbed 87 per cent. of the ginger exports from this Colony. The

year 1925 may be regarded as highly satisfactory as far as ginger is concerned. This product now ranks third in the list of domestic exports, the total shipment in 1925 being 43,260 cwt., against 38,847 cwt. in 1924, and 27,905 cwt. in 1923.

#### Java Cinchona and Coca Exports

THE complete figures are now available of the exports of cinchona and of coca from Java in 1926, which are given in the table below, together with those for 1926:—

	Cinchona		Coca	
	1925 Kilos	1926 Kilos	1925 Kilos	1926 Kilos
British India ..	140,000	125,733	—	—
Egypt ..	—	—	—	11,426
France ..	—	16,537	—	18,819
Germany ..	—	—	14,518	28,783
Great Britain ..	650,000	753,639	—	—
Japan ..	449,000	649,872	304,396	206,558
Netherlands ..	4,935,000	4,493,539	658,850	791,362
Port Said ..	—	—	—	8,837
Other countries ..	60,000	—	—	—
Total ..	6,234,000	6,039,320	977,764	1,065,785

Exports of quinine from Java totalled 179,982 kilos in 1926, against 130,939 kilos in 1925.

#### United States Drug Imports

THE following table gives the imports, together with the countries of origin, of the drugs mentioned into the United States during the month of January, 1927:—

	lb.		lb.
Cinchona ..	237,625	Pyrethrum ..	1,159,671
Great Britain ..	2,892	Japan ..	952,000
Netherlands ..	216,437	Jugo-Slavia and	—
Ceylon ..	6,720	Albania ..	107,204
Brit. West India ..	11,576	Italy ..	99,907
Liquorice extract ..	11,294	Senna ..	52,723
France ..	10,734	Brit. India ..	32,400
Liquorice root ..	5,905,030	Egypt ..	13,187
Soviet Russia ..	5,599,707		
Spain ..	232,724		
Canada ..	30,000		

#### Ceylon Cardamoms in 1926

THE exports from Ceylon during 1926 amounted to 321,184 lb. compared with 353,562 lb. for 1925. As will be seen from the following table, this shortage is chiefly accounted for in the smaller quantity shipped to the U.K., which is by far the most important destination, and to India. The largest increases were for Egypt and Norway:—

	1925 lb.	1926 lb.
United Kingdom ..	184,182	143,948
U.S.A. ..	40,322	38,346
Egypt ..	19,361	31,438
Germany ..	30,190	20,634
Norway ..	4,950	22,365
India ..	23,271	357
Denmark ..	7,468	11,463
Other countries ..	43,818	52,618
	353,562	321,184

The market opened erratically, prices realised for greens being about rs.2.14 in January. There was a further decline in April and May, and the best offers were in the region of rs.2. Bleached parcels, on the other hand, were scarce and opened strong at rs.3.60 to rs.3.80, ranging up as high as rs.4. Prices for green sorts improved in July to about rs.2.15, and advanced steadily until in October, when rs.2.25 was quoted. During July and August bleached prices fell away until a level of rs.3.25 was touched in September. The year closed with an irregular and weaker demand, quotations for greens being about rs.2.15, and for bleached about rs.3. The harvest has been satisfactory, due to favourable weather very similar to that of 1925. There was again no prolonged drought anywhere in the central ranges of the island. No disease is reported except "borer," which continues over small areas. The shortage of some 27,000 lb. may be put down to older acreages dropping out of cultivation. Many estates are now planting up tea instead, the soil being favourable.

BOLIVIAN CUSTOMS INCREASES.—The Bolivian Government proposes to raise a loan of 5,000,000 bolivianos, the interest on which is to be provided in part by a 20 per cent. *ad valorem* surtax on the customs duties on imported pharmaceutical specialities, and a tax on mineral waters.

## Japan's Foreign Trade

THE returns of the foreign trade of Japan for the year 1926, published by the Department of Finance, show a decline in imports as well as in exports in comparison with the preceding year. In 1926 imports totalled 2,377,484,493 yen, against 2,572,657,863 yen in 1925, while exports amounted to 2,044,727,891 yen in 1926, as compared with 2,305,589,807 yen in 1925. The excess of imports over exports, in contrast to 1925, shows an increase, and figures with 332,756,602 yen (1925, 267,068,056 yen; 1924, 646,367,419 yen). Last year, again, Japan's total trade with Europe shows a further contraction; imports from Great Britain fell from 227,292,002 yen in 1925 to 170,274,500 yen in 1926; while in exports to this country a slight fall is recorded: 59,493,735 yen in 1926, against 59,716,478 yen in 1925. In the following table Japan's imports and exports of those goods of interest to our readers are given for 1925 and 1926:—

### EXPORTS FROM JAPAN

	1925	1926
	<i>Piculs</i>	<i>Piculs</i>
Camphor .. .. .	34,400	30,382
British India .. .. .	6,100	7,345
Great Britain .. .. .	3,872	1,891
France .. .. .	3,177	2,854
Germany .. .. .	2,408	929
U.S.A. ....	14,922	13,554
Australia .. .. .	808	967
Other countries .. .. .	3,113	2,842
Copper sulph. ....	694	715
Ginseng .. .. .	564	770
Insect powder .. .. .	4,268	4,093
Iodine (kin) .. .. .	22,180	48,730
Medicines, prepared (yen) ..	1,389,908	1,327,916
Menthol .. .. .	4,208	5,287
British India .. .. .	375	379
Great Britain .. .. .	534	411
France .. .. .	421	601
Germany .. .. .	221	284
U.S.A. ....	2,317	3,226
Other countries .. .. .	340	386
Oil, camphor .. .. .	13,989	26,552
Oil, peppermint .. .. .	5,284	4,791
Pot. iodide (kin) .. .. .	18,468	29,273
Soap .. .. .	1,980,359	481,611
Soap, toilet (doz.) .. .. .	1,678,050	1,464,029
Toilet powders (yen) .. .. .	270,962	295,463
Tooth powders and pastes (yen)	584,486	592,023

### IMPORTS INTO JAPAN

	1925	1926
	<i>Kin</i>	<i>Kin</i>
Acetanilide .. .. .	209,142	141,245
Acid, boric .. .. .	1,129,657	1,724,083
Acid, carbolic .. .. .	1,845,626	1,553,094
Acid, citric .. .. .	94,305	148,476
Acid, salicylic .. .. .	262,288	356,901
Acid, tartaric .. .. .	506,948	277,126
Antipyrin (oz.) .. .. .	881,743	1,300,385
Bismuth .. .. .	41,882	5,084
Borax .. .. .	6,714,232	5,671,071
Cinchona .. .. .	851,322	1,038,170
Glycerin .. .. .	2,984,614	2,595,792
Gum acacia .. .. .	955,615	1,605,456
Liquorice (piculs) .. .. .	27,053	31,227
Mercury .. .. .	491,389	545,801
Milk sugar .. .. .	576,570	466,645
Morphine (oz.) .. .. .	34,442	1,810
Oil, castor .. .. .	519,762	331,817
Opium .. .. .	33,850	24,252
Perfumes, prepared (yen) ..	223,241	409,197
Perfumed oils and fats .. ..	42,856	107,421
Pot. bromide .. .. .	45,205	198,381
Quinine (oz.) .. .. .	328,360	274,964
Santonin (oz.) .. .. .	1,840	1,764
Shellac .. .. .	1,639,137	1,721,696
Soap .. .. .	110,601	217,468
Soap, perfumed .. .. .	39,019	77,973

THE TUNIS GOVERNMENT has recently increased the export duty on olive oil, pure or mixed, exported from Tunis, from 6 to 35 francs per 100 kilos.



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

### British Pharmaceutical Conference

SIR,—We shall be pleased to hear from members who are desirous of contributing scientific and technical papers to the meeting of the British Pharmaceutical Conference which is to be held in Brighton from June 21 to June 23. It has been decided that May 23 shall be the last date for receipt of papers in order that sufficient time may be allowed for printing. Members are earnestly requested to let us know as early as possible the titles of the papers which they propose to read, and to send the manuscript not later than May 23.—Yours faithfully,

C. H. HAMPSHIRE,

F. W. CROSSLEY HOLLAND,

Hon. General Secretaries.

17 Bloomsbury Square, London, W.C.1.

### Pharmaceutical Parliamentary Fund

SIR,—There seems to be some little difficulty about the method of publishing the contributions to the Parliamentary Fund. According to the circular letter received, one has the option of having one's name and contribution published in full or of being classified as anonymous; but I thought it was understood that the original intention was to give the total amount with the names of the subscribers and not the individual amounts. This would, to my mind, have been much the better way; any pharmacist who is in a position to send in a handsome contribution may dislike to appear unduly ostentatious, and, on the contrary, many of the humbler members, who would willingly have given more if they could, would not like to appear small beside their richer *confrères*. After all, the total amount is the great thing to be aimed at; and if we know how far we have got to the sum proposed, we shall know whether it is necessary to double our effort.

Faithfully yours,

CONTRIBUTION (11/4).

### Cut Rates for Insurance

SIR,—The reflections of "Xrayser III" on cut rates for insurance (*C. & D.*, April 9, p. 439) call attention to one of the elemental failings of human nature. After all, we are all interested to get as much as we can for as little expense as possible; the customer who is not interested in the P.A.T.A. will not patronise the chemist if he can get the same thing cheaper at the grocer's. And, conversely, what chemist wishing to purchase, let us say, a new car, would not take advantage of a discount from a friend in the trade sooner than go to a dealer and pay the minimum retail price? And the employee in the wholesale trade who can purchase things at cost, does he not do so and supply his friends as well sooner than go to a shop and pay full price? And yet all these individuals in their own businesses can see the necessity of protected prices. Why not see the same necessity with regard to other people's trading? Merely human nature, I am afraid.

Yours truly,

HUMAN (12/4).

### Council Election

SIR,—The unusual spectacle of sixteen nominations having been received for the Council election and all the nominees having signified their willingness to stand will give us an opportunity of having a real contest for the vacant seats. The complaint has always been that the seven retiring members have generally comprised the new candidates with, perhaps, one fresh aspirant, and that so there has not been an occasion for the electors to impart a new strain to the Council of sufficient weight to make itself felt. It now remains to be seen whether the general body of members really do desire a complete turnover; if they do, they must vote accordingly.—Yours, etc.,

VOTER (12/4).

## Legal Queries

*S. & H.* (7/4).—Soda water is not liable to medicine-stamp duty even if recommended for ailments.

*I. S. Co.* (30/3).—Lead acetate is not a scheduled poison, so that a hair restorer containing this salt can be sold by persons who are not qualified chemists.

*Salop* (4/4).—The only authorised place for you to keep cocaine drops is in the locked poisons cupboard at your place of business. You are not authorised to keep the drops anywhere else.

*B. & Co.* (6/4).—The formula for boracic ointment is contained in the British Pharmacopœia (Ung. ac. borici). It would be running risks of prosecution to pack any other variety for retail sale.

*L. E. S.* (30/3).—Full particulars regarding the registration of companies are given in *The Chemist and Druggist Diary*, 1927, p. 315. If you require any further details we shall be glad to give them.

*G. S. E.* (5/4).—A pure or "entire" drug can at present be sold and recommended for the cure of ailments without being liable to medicine-stamp duty. It is advisable to state on the label that the article is a pure drug.

*Vacuo* (22/3).—The Apothecaries Act prohibits acting as an apothecary by persons who are not qualified medical men. It is only, however, in flagrant cases, such as visiting patients and keeping a consulting room, that action is taken.

*V. H. D.* (25/3).—Information regarding the method of securing a patent for an invention is given in *The Chemist and Druggist Diary*, 1926, p. 308. If there are any points that need further elucidation we shall be glad to help you.

*W. H. H.* (5/4).—Full details of the Public Health (Preservatives, etc., in Food) Regulations are given in *The Chemist and Druggist Diary*, 1927. You will there see that tartrazine is not prohibited as a colouring for foods and drinks.

*H. B. H.* (30/3).—If the business of a chemist belongs to a limited company the procedure you refer to is legal. An unqualified person cannot carry on a chemist's business, even though he employs a qualified assistant. The matter was fully explained in the *C. & D. Diary*, 1925, p. 232.

*A. E. T.* (5/4).—As a chemist you may sell unstamped the headache powder, even though it is recommended for ailments, so long as you do not claim proprietary rights in the name. It becomes a "known, admitted and approved" remedy owing to the declaration of the composition on the label.

*P. G.* (8/4) owns a three-storey house, on the ground floor of which there are two living rooms and a shop. There is a door leading from the shop into the house. Is it permissible for "P. G." to lease the shop only for a term of years and to describe the shop as a "lock-up shop" in the lease without first blocking up the door connecting with the house? [A lease of the shop only may be granted. There is no legal objection to describing the shop as a "lock-up" one; nor can we see that it will be necessary to block up the doorway provided the door is secured in some way.]

*A. C.* (5/4) is a qualified assistant. His salary has just been increased from £4 15s. to £4 16s. 6d. per week, in addition to which he earns money as a teacher at evening classes. In the circumstances he claims that he is no longer liable to be insured under the National Insurance scheme. However, he has been told by the Ministry of Health that he must still be insured because in ascertaining whether or not his remuneration exceeds a rate of £250 a year, regard must be had to each employment separately. Is this ruling correct? [It is true that each employment must be considered separately; but apparently the Ministry of Health cannot calculate that a weekly salary of £4 16s. 6d. amounts to £250 18s. in a year. As "A. C.'s" remuneration as assistant is at a rate exceeding £250 a year he is no longer bound to be insured.]

## Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

*Tincture* (21/2).—PURCHASING A CHEMISTS' BUSINESS.—See *C. & D.*, February 14, 1925, p. 251.

*S. M.* (4/3).—PRESERVATIVE IN DYE SOLUTION.—The use of sodium benzoate in a colour solution would lead to the introduction of the preservative into food, possibly in a higher proportion than is permitted. It is possible that glycerin would be the best preservative to use, but this depends upon the particular dye that is employed. If the dye is water-soluble glycerin would answer well.

*G. A.* (4/3).—RHEUMATISM BATH SALTS.—The composition is usually sodium carbonate in small crystals with a proportion of borax crystals. Some salts are stated also to contain a small amount of an iodide. The perfuming of bath crystals is explained in the *C. & D. Price List Formulary*.

*J. E. D.* (25/3).—BENEDICT'S SOLUTION.—Add 3.6 grams picric acid and 40 c.c. of hot distilled water to 50 c.c. of a 1 per cent. sodium hydroxide solution. The mixture is shaken until the picric acid is dissolved. After cooling the solution is diluted to measure 100 c.c.

*M. B.* (25/3).—OXYGEN TOOTH POWDER.—

Magnesium peroxide	...	...	45 gr.
Powdered hard soap	...	...	10 gr.
Menthol	...	...	$\frac{1}{2}$ gr.
Methyl salicylate	...	...	3 m
Precipitated chalk to	...	...	1 oz.

*C. D.* (28/3).—VANISHING CREAM.—A long article on the manufacture was printed in the *C. & D.*, June 27, 1925, this being the first time the secret of the method of obtaining the sheen was made public.

*P. G. B.* (28/3).—LIQUID NAIL POLISH.—The usual strength for celluloid nail enamel is:—

Celluloid film, cut small	...	...	25 parts
Amyl acetate	...	...	250 parts
Acetone	...	...	750 parts

coloured and perfumed. This is of a syrupy consistence. An alternative formula is:—

Benzoin	...	...	2 parts
Alcohol	...	...	4 parts
Ether	...	...	4 parts

Dissolve.

*L. B.* (28/3).—IODINE FROM KELP.—A full account of the extraction of iodine and potash from kelp is given in Thorpe's "Dictionary of Applied Chemistry," most of the questions you ask being there answered in detail. The industry cannot, however, be carried on profitably, in view of the fact that there are much cheaper sources of iodine and potash.

## Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," April 14, 1877

### Proctor's Medicine Measures

We described and illustrated this small invention in our last issue. Since then a paper introducing them to the Pharmaceutical Society has been read at an evening meeting at Bloomsbury Square, and much competent criticism has been elicited. In his paper Mr. Proctor described the well-recognised uncertainty of the capacity of a tablespoon, and remarked on the present system of marking graduated measures for the public. The glasses are divided, as they should be, into ounces and drachms, but they are marked as they should not be, by tablespoons and teaspoons. He leaves it an open question at present as to how his medicine measures should be branded, but what he expressly claims as important is that each measure should contain an exact dose, and that only, of the medicine which it accompanies. He himself seems to propose to give the measure with every bottle of medicine he sends out.



[Commenced C. & D., July 5, 1924]

**Intensifiers, Mercurial: Sale.**—Photographic intensifiers containing mercuric chloride or iodide come within Part II of the Poisons Schedule of the Poisons and Pharmacy Act, and can only be sold by qualified chemists. They must be labelled with the proportion of the poison, name of the poison, and name and address of the seller.

**Interest, Reckoning.**—It is not usual in a chemist's business to be under the necessity of considering a days' interest on items in accounts which are overdue, so that the only requirement is the total sum, but where this is done it is found by products, the formula being as follows:—

$$\text{Interest} = \frac{\text{Balance of products} \times \text{Rate} \times \text{No. of days}}{365 \times 100}$$

So that if the account is £25 and being overdue the interest agreed upon is, say, 5 per cent. per annum, if it is sixty days overdue multiply the total by the number of days and double the interest, then divide by the  $365 \times 100 \times 2$ , or 73,000.

$$\begin{array}{rcl} \text{Amount} & \dots & \text{£25} \\ \text{Days} & \dots & 60 \\ & & \hline & & 1,500 \end{array}$$

$$5 \text{ p.c.} \times 2 = 15,000 \div 73,000$$

$$\text{or } \frac{15}{73} = 4/11$$

**International Agreement.**—See International Pharmacopœial Standards.

**International Conference for the Standardisation of the Formulas for Potent Preparations.**—See International Pharmacopœial Standards.

**International Congress of Applied Chemistry.**—Acting on a suggestion originally advanced by Dr. F. Strohmmer, director of the laboratory of Austrian sugar manufacturers, the Belgian Association of Chemists, with the assistance of the Belgian Government, organised the first International Congress of Applied Chemistry, which met in Brussels in 1894. Its chief aim was to secure uniformity in analytical methods by international agreement. Four sections were provided: Sugar; agricultural chemistry; chemistry of foods; biological chemistry. The second Congress assembled in Paris, in 1896, and was presided over by M. Berthelot. Its work was divided into eleven sections:—(1) Sugar; (2) fermentation industries; (3) agricultural industries; (4) agricultural chemistry; (5) official and commercial analyses of dutiable articles; (6) chemical industries; (7) photography; (8) metallurgy, mines, explosives, etc.; (9) chemistry applied to medicine, toxicology, pharmacy, hygiene, and nutrition; (10) electricity, electrochemistry; (11) waste water from chemical industries. The third Congress, held in Vienna in 1898, included for the first time a special subsection devoted to pharmaceutical chemistry, in which a number of important papers were read. At the fourth Congress, which assembled in 1900 in Paris under the presidency of H. Moissan, among others, a resolution was passed urging the general adoption of 16 as the basic atomic weight of oxygen. The fifth Congress met in Berlin, in 1903 (president, Professor Dr. O. N. Witt); the sixth in Rome, in 1906 (president, Professor E. Paternò); and the seventh in London, in 1909 (president, Sir William Ramsay). At the latter, thirty-six papers were presented in Section VIII B, Pharmaceutical Chemistry, which included thirty-one members, and was presided over by N. H. Martin, with J. C. Umney, E. Bourquelot, H. Thoms, P. M. Mardetschschlaeger and E. M. Houghton as vice-presidents. The eighth, and

last, Congress was held in 1912 in Washington and New York (president, Dr. W. H. Nichols); in consequence of the war the meeting planned for 1915, in St. Petersburg, had to be abandoned. The bureau established to ensure the continuity of the work of the International Congress of Applied Chemistry was dissolved in 1918.

**International Congress of Pharmacy.**—The idea of calling together an international congress of pharmacists germinated in 1865 in the Pharmaceutical Society of St. Petersburg, and was realised in the same year at an assembly held in Brunswick, at which Austria, France, Russia, Sweden, North and South Germany were represented. The object of this meeting was to bring together pharmacists of several nations with a view to affording an occasion for an exchange of opinions on matters of common interest. The three chief subjects discussed at this first congress of pharmacists figured as the principal topics of debate at each successive meeting: the desire to raise the standard of the profession; the control of pharmaceutical specialities; and the introduction of a universal pharmacopœia. The second congress was held in Paris in 1867; the third in 1869, in Vienna, which was attended for the first time by representatives of British pharmacy in the persons of Mr. H. Sugden Evans and Professor Redwood; the fourth in St. Petersburg in 1874; the fifth in London, 1881 (President, Professor Dr. Theophilus Redwood), at which the standardisation of the strength of official preparations containing potent drugs was first discussed. At this Congress the first award of the Hanbury Medal was made to Professor Flückiger. The sixth Congress met in Brussels in 1885, at which the draft of the proposed International Pharmacopœia was presented; the seventh in Chicago in 1893; the eighth in Brussels in 1897; the ninth in Paris, 1900; the tenth in Brussels, 1910; the eleventh, which assembled at The Hague in 1913, was the first Congress organised by the International Pharmaceutical Federation. A *résumé* of the proceedings of these Congresses will be found in the *C. & D.*, 1923, I, p. 970. In 1923 a general meeting of the International Pharmaceutical Federation was held in London. (See *C. & D.*, 1923, II, pp. 112 and 191.)

**International Pharmaceutical Federation.**—See *Fédération Internationale Pharmaceutique*.

**International Pharmacopœia.**—The project of an International Pharmacopœia was first discussed at the International Congress of Pharmacy held in Paris in 1867. At the London Congress, in 1881, a Commission was appointed numbering thirty-five members representative of all European nationalities and the United States, of which M. von Waldheim was elected president. The draft of the work, incorporating 293 drugs and preparations, was presented to the Sixth International Congress of Pharmacy, which was held at Brussels in 1885; the leading features of this work will be found in the *C. & D.*, 1885, p. 569. The project of an International Pharmacopœia found its first practical realisation in the adoption of uniform standards for potent drugs embodied in the Agreement drawn up at the Brussels Conference for the Unification of Potent Medicines in 1902.

**International Pharmacopœia Bureau.**—In 1922 the Commission of the International Pharmaceutical Federation presented a report to the Belgian Minister of the Interior, proposing the creation of an International Pharmacopœial Secretariat, to deal with all questions pertaining to pharmacopœias. At the Second International Conference for the Standardisation of the Formulas for Potent Preparations, held in Brussels in 1925, the advisability of creating an international organisation for the unification of pharmacopœias, to be styled the Permanent Secretariat, was recognised, and its scope is defined in Articles 35 and 36 of the Agreement drafted at this Conference:—

Article 35.—The organising commission shall request the Belgian Government to enter into negotiations with the League of Nations regarding the constitution of this Permanent Secretariat, and also of the other commissions, the creation of which has been decided upon in principle. In the meantime, as a purely temporary measure, the functions of



## The C.&D. Commercial Compendium



the proposed organisation will be assumed by the Belgian Pharmacopœia Commission, in order to avoid any loss of time and to enable the Secretariat to continue its work as soon as it is definitely constituted.

Article 36.—In addition to dispatching documents and co-ordinating the work done towards the unification of pharmacopœias, the Secretariat shall, on broad lines:—

- (1) Elaborate amendments and additions to the Brussels Agreement in regard to formulas for potent medicaments;
- (2) Investigate the methods of determining the active principles of potent medicaments, and suggest means of standardising the same;
- (3) Formulate proposals towards the adoption of a uniform nomenclature in pharmacopœias;
- (4) Formulate proposals for ensuring uniformity in the descriptions of chemical products, identity tests, analyses, etc., in pharmacopœias.

**International Pharmacopœial Standards.**—At the Ninth International Congress of Pharmacy, held in Paris in 1900, a commission was appointed to prepare a table showing the differences in strength of official medicinal preparations bearing the same name in different pharmacopœias, with the object of securing uniformity through the adoption in all pharmacopœias of uniform standards for these preparations. A resolution was passed that the Belgian Government should be requested to invite the Governments of other countries to send delegates to meet at a Conference in Brussels for the purpose of introducing these standards on a uniform basis in the several national pharmacopœias. At the invitation of the Belgian Government representatives of eighteen European countries, and also of the United States, met in Brussels from September 15 to 20, 1902, Great Britain being represented by Dr. (now Sir) Donald MacAlister and Surgeon Lieut.-Colonel Reid (India). The standards and formulas decided upon at this International Conference for the Unification of Potent Medicines, termed the International Agreement, were adopted with certain reservations by Great Britain and embodied in the British Pharmacopœia of 1914, where the deviations from the Agreement are given on p. xxviii. The Second International Conference for the Standardisation of the Formulas for Potent Preparations met in Brussels from September 21 to 29, 1925, at which the final protocol and the draft of a new International Agreement were signed by the delegates of twenty-six countries. On behalf of Great Britain this document was signed by Sir Nestor Tirard, Mr. Edmund White, and Mr. G. F. MacCleary. The full text of this second Brussels Agreement, as well as the recommendations formulated by the Conference, were given in the *C. & D.*, 1925, II, p. 588. The creation of a Permanent Secretariat as an international organisation for the unification of pharmacopœias is provided for in Articles 34 to 36 of the draft agreement. (See International Pharmacopœia Bureau.)

**International Research Council.**—Constituted at a meeting of Inter-Allied scientific delegates held in Brussels in 1919, for the purpose of co-ordinating international efforts in pure and applied science, of initiating the formation of international associations, of directing international scientific action in subjects which lie outside the scope of existing organisations, and of entering into relations with the governments of the participating countries on matters falling within its competence. The permanent seat of the Council is at Brussels, while the secretariat is established in London, at the Royal Society.

**International Union of Pharmacy Assistants.**—This organisation was founded in Vienna in 1925, at a meeting of delegates of associations of pharmacy assistants of Austria, Bulgaria, Germany, Jugo-Slavia, Poland, Czechoslovakia and Hungary. The aims of the Union are to promote the special interests of pharmacy assistants as well as of the profession at large, and to secure an improvement of the economic position of pharmaceutical employees by a closer co-operation between the associations of assistants in different countries, as a step towards the realisation of an international pharmaceutical trade union.

### International Union of Pure and Applied Chemistry.

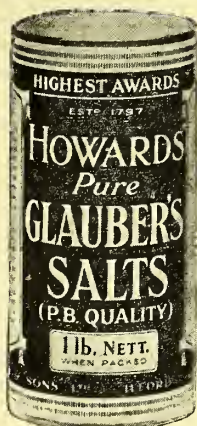
Constituted in 1919 by delegates representing the chemical societies of Great Britain, Belgium, France, Italy and the United States, to take the place of the pre-existing International Association of Chemical Societies, declared dissolved. Its objects are: To organise permanent co-operation between the chemical associations of the different countries; to co-ordinate their scientific and technical activities, and to contribute to the advancement of chemistry in all its branches. The International Union of Pure and Applied Chemistry arranges every year an International Chemical Conference; the first met in Rome in 1920, and the following were held in Brussels (1921), Lyons (1922), Cambridge (1923), Copenhagen (1924), Bucharest (1925), and Washington (1926). The address of the secretariat general is 49 Rue des Mathurins, Paris.

**Introducing New Products.**—It is of little use for a retailer to add a new product to his existing stock if he does not, in one way or another, "noise it abroad" that he is extending his activities. All regular customers, or, better still, all residents who live sufficiently near to become regular customers, may be circularised. A special window display is always a good method of popularising a new product and creating a local demand. If the trader uses one, or preferably both, of these methods, the newly introduced commodity can be made a useful means of getting the business better known, and will thus act as a medium of sales-promotion for other lines. Even if the product is not considered to be sufficiently important to justify such methods, its introduction should not be altogether neglected. On the first day that it is added to the retailer's stock it is useful to have a special window display, with the new line shown in slightly greater prominence than the other commodities. An alternative method, more suitable for the trader who takes on all new branded goods as a matter of course, is to have a special section of the window devoted to their display. In view of the fact that most new lines are well advertised in the general Press by the manufacturers themselves, this method should be a good means of inducing sales, as it links up with the advertising and brings the goods before the local public when the names are fresh in their memory. People are attracted to the shop by these special methods of publicity, more out of curiosity than anything else; but their curiosity is a lever to sales-promotion.

**Inulin** is a soluble carbohydrate which replaces starch as a reserve food in the *Compositæ*. It can readily be extracted from dahlia roots (which contain 10 per cent. of inulin) by boiling with water, the inulin being deposited as minute spheres on cooling. Inulin is a white powder melting at 160° C, and resembling starch in appearance. Inulin does not reduce Fehling's solution, give a colour with iodine or gelatinising on boiling with water. Inulin is readily precipitated by alcohol from its aqueous solution. On boiling with dilute sulphuric acid inulin is completely converted in levulose (or *d*-fructose). It is the source of commercial levulose, which has been recommended for use in diabetic diets, but is unsuitable, as it can act as a source of blood sugar. Inulin is thus a condensation product of levulose and is regarded as having the formula  $(C_6H_{10}O_5)_n \cdot H_2O$ .

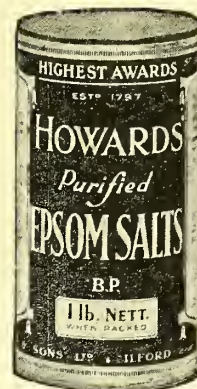
**Invoice-Books.**—An invoice-book eliminates the necessity for a sales journal on the selling side of a business, or of an orders received book or whatever other additional records may be kept. The tendency in up-to-date business houses to-day is to make use of the minimum number of books consistent with efficiency. One method in use is to transfer a copy of the outgoing invoices into an invoice-book by means of a copying press. A newer method is to use a carbon manifold invoice-book. The original invoices are removed from this book and sent to the customers, and the carbon copies remaining enable the invoice to be used as a sales journal. Still another method is to type all invoices in duplicate, number them in rotation, and file the duplicates in a box or arch file, so that the filed copies form a kind of loose-leaf sales book.

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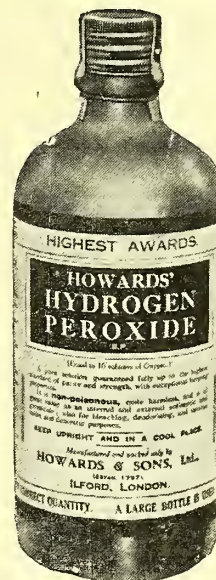


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**M**ANUFACTURED from selected ox pancreas glands, under licence of the British Medical Research Council. The potency of Insulin-Boots is accurately standardised according to the methods prescribed by the National Institute for Medical Research. Each batch is passed, before issue, by the Government Director of Biological Standards. Supplied sterile in 5 c.c. and 10 c.c. rubber-capped vials (strength—20 units per c.c.).

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A concentration of 40 units per c.c. for use where it is required to inject large doses of Insulin. Double Strength Insulin-Boots is available in both 5 c.c. and 10 c.c. vials (strength—40 units per c.c.).

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WITHOUT ANY ADMIXTURE WHATEVER**

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For disinfection of  
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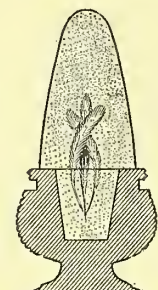
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M.R.P. - - 1/3 per tablet

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"ICYGLO," The Super Skin Tablet

Retail **3<sup>D</sup>.** per Tablet

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A wonderfully efficient Tonic. Especially prescribed.

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<b>Zinc Starch &amp; Boric VIOLET POWDER</b> <b>FULLER'S EARTH</b>	<div style="border: 2px solid black; border-radius: 50%; padding: 10px; width: 150px; margin: 0 auto;"> <b>J.M.S.</b>          J. M. SMITH &amp; CO. (London), LTD.          Hampton Chemical Works,          ARTHUR STREET, S.E.15          LONDON          ESTABLISHED 1860       </div>		<b>OLIVE OIL</b> <b>GLYCERINE OF THYMOL</b> <b>GLYCERINE LIQUID PARAFFIN</b> <b>CAMPHORATED OIL</b> <b>EUCALYPTUS METHYL SAL.</b>	The Centre of Attraction
The Centre of Attraction	<b>WATERGLASS</b> <b>"ALL FRESH" BRAND</b> <b>"PINOGEN"</b> The Non-Poisonous Disinfectant Fluid	The Centre of Attraction	<b>Lavender Scented Moth Balls</b> <b>NAPHTHALINE BALLS FLAKE BLOCKS SHELLS</b>	

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**230 PER CENT!**

CHEMISTS who handle Snowfire Cream don't just sell it now and again—they keep on selling it! As proof of this—sales have increased for the first two months of this year, as against a similar period last year, by over 230 per cent. The smart little containers in which Snowfire Cream is sold help sales just as its low price does. That is why it pays to handle it.

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Sold in handsome opal jars and neat aluminium containers and retails at 1/3 and 3d. respectively.

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THE Premier Emulsifying, Blending and Disintegrating Mill has proved itself the world over as the most modern mechanical aid to the Manufacturing Chemist. The Premier Mill is installed in Factories of every kind, large and small. On dozens of the world's largest Liners it is making the daily requirements of Milk and Cream.

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The small scale production Premier Mill with all its working parts in solid nickel is available at the very modest price of £35-0-0. It has an output up to 40-60 gallons per hour and is continuous in operation. We can supply you with complete emulsifying plant.

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Simple, straightforward,  
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This powerful advertisement, measuring 11" across 3 cols., has appeared in the *News of the World*, *Empire News* and other national newspapers, and is the commencement of a new and still bigger advertisement campaign which is appealing to approximately 15 million readers every week.

Let this huge  
advertisement  
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for you.

*Send postcard  
for a small  
showcard.*

**DAISY, LTD.  
HORSFORTH  
LEEDS**

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**Neuralgia  
and other  
Nerve Pains  
SPOIL YOUR LIFE**  
when a Simple,  
Harmless  
Remedy can  
Swiftly  
Banish all  
Your Suffering!



**Dr. Robertson Wallace writes:**  
 "Many a headstrong nurse has  
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"DAISY"  
 A Daisy is a flower that grows in the field, and is a symbol of purity and innocence. It is a flower that is loved by all, and is a flower that is always there for you.

**CHEAPEST**

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**NULOMOLINE**  
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A PURE CANE INVERT SUGAR ANSWERING ALL THE  
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A CLEAR WHITE SYRUP ∴ NON-FERMENTABLE ∴ SPECIFIC GRAVITY 1400

Recommended for  
**COUGH  
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**SIMPLE SYRUPS**

*Pharmacists  
who desire  
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tion in replacing  
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Nulomoline are  
offered the benefit  
of our expert  
knowledge in re-  
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Daily increasing in popularity with both the medical profession and the public. Collosol Ferromalt is now supplied in an attractive packing, admirably adapted for counter display.

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IT is a powder to be burned and the fumes inhaled without any bad after-effects. Recommended by physicians throughout the world.

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	Per 1,000	Per doz. 24's
Acetanilide, grs. 2 .. .. .	10/-	6/-
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do. c. Phen. and Caffein .. .. .	12/-	7/-
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Anæmia .. .. .	14/-	7/-
Aphrodisiac .. .. .	20/-	10/-
Bismuth Carb., grs. 5 .. .. .	22/-	10/-
Calc. Lactate, grs. 5 .. .. .	10/-	7/-
Cascara Sagrada, grs. 2 .. .. .	10/-	7/-
Charcoal, grs. 5 .. .. .	10/-	7/-
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Hæmoglobin, grs. 3 .. .. .	10/-	6/-
do. and Iron .. .. .	10/-	7/-
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CAPULVA is an approved method of administering powdered medicinal substances. The capsule is composed of freely soluble gelatine, thus insuring the full therapeutic activity of the medication.

For the convenience of Physicians, Pharmacists, and Hospitals, we are prepared to supply capsules to private formula, and have exceptional facilities for the prompt execution of orders at moderate prices.

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PRESCRIPTIONS A SPECIALITY.

# CHEMISTS ACCLAIM ASPRO

as one of the Biggest Sellers  
- they have ever handled -

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- 1 It pays to Push ASPRO because it is a heavily advertised line with a protected profit.
- 2 A showcard or window sticker placed in or on your window connects you up with £150,000 of advertising and brings a stream of customers into your shop—just as if you paid for the advertisements yourself.
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- 4 ASPRO shows you a handsome profit for an advertised line. Then again it is of a standard quality.

## WHAT THE BONUS IS

### BONUS ON 10's

One Gross - Bonus 1 dozen packets  
 Half Gross - Bonus  $\frac{1}{2}$  dozen packets  
 Half gross 10's is minimum order  
 accepted for Bonus purposes.

### BONUS ON 25's

One Gross - Bonus 2 dozen packets  
 Half Gross - Bonus 1 dozen packets  
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 Quarter Gross is minimum quantity.

Ordinary Prices for ASPRO are as follow:

6d. size containing 10 tablets .. .. 4/6 doz.  
 1/3 size containing 25 tablets .. .. 11/6 doz.

## CONDITIONS

The only conditions made are that the Chemist who buys on these terms undertakes to show Advertising matter in his shop window for 14 days. As ASPRO is so extensively advertised, this action will not only bring customers into the Chemist's shop to purchase ASPRO, but should enable the Chemist's staff to make other sales to the said customers. Acceptance of Bonus is considered acceptance of conditions regarding display. For Bonuses it is not necessary to buy both sizes at the same time, i.e. in single lots 6 dozen 10's or 3 dozen 25's will qualify the Chemist.

## HOW TO ORDER BONUS PARCELS

We do not sell direct to the Chemist, all our business going through a Wholesaler, but in order to obtain Bonus Parcels it is necessary to forward your order to us direct, with the name of your Wholesaler. We will then see that your order is despatched through the said Wholesaler, and the Bonus will be sent to you direct.

ASPRO contains the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

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No proprietary right is claimed in the method of manufacture or the formula.



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## Physiologically Standardised Preparations

### LIQUID EXTRACT OF ERGOT

### TINCTURE OF DIGITALIS

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The above preparations are tested in the Pharmacological Laboratories of the Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, W.C., and when sent out are labelled with a copy of the certificate issued.

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"5c.c. of this tincture contain the activity corresponding to that in 10 c.c. of a tincture prepared from the international standard Digitalis Powder, as determined by a biological test carried out by the Pharmaceutical Society of Great Britain."

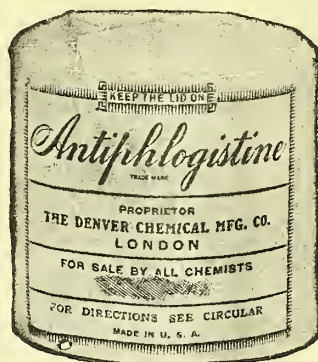
Copy of Certificate issued from the Pharmacological Laboratories,  
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7/9/26

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Write for quotation  
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discounts.

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**THE BEST TONIC**

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OUR SAMPLES OF  
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ALL KINDS OF  
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APPLY FOR THEM  
TO-DAY.



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# Common Sense at Last!

Every progressive chemist will welcome the new nerve treatment in tablet form.

This line takes its name from a description of the product—Nature's Own Nerve Nourishment—NONN—a name which will be writ large on the public mind at the end of this month.

NONN offers a natural nerve food to all nerve sufferers. NONN is sex graduated—NONN for men is a separate and distinct formula and different from NONN for women.

Get your stock in before the advertising starts. The first advertisement will appear in the *Daily Mail* of April 28th.

## Nonn

"Nature's Own Nerve Nourishment."

is the new nerve treatment which is being nationally advertised on an extensive scale this month. Nonn is made in two distinct forms

Nonn for Women, 36/- per doz.

Nonn for Men, 36/- per doz.

Less 25%

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*Order through your usual Wholesaler.*

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NONN LTD., 45 Gordon Square, London, W.C.1

# PURE RUSSIAN LIQUID PARAFFIN MEDICINAL B.P.

ALL GRAVITIES.

HIGHEST VISCOSITY.

## PURE RUSSIAN "JASMINE" BRAND WHITE OILS

CHEMICALLY PURE. WATER WHITE. ODOURLESS.  
FOR MANUFACTURING PURPOSES.

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**"DEPENDABLE  
TOBACCO  
WHOLESALEERS."**

MIXED PARCELS A SPECIALITY  
Established Fifty Years.  
Price Lists mailed on request.  
A PROFITABLE SIDE LINE  
FOR CHEMISTS.

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## BUY DIRECT FROM THE MAKERS The LONDON OIL REFINING CO., MANCHESTER FOR LORCO AND PREMIER LIQUID TOILET SOAPS

Specialists in - COLOURED BRILLIANTINE OILS TECHNICAL WHITE OILS  
WHITE PETROLEUM JELLY, B.P. GREEN OLIVE OIL SOFT SOAP, B.P.  
LORCO COCOANUT OIL SOFT SOAP, B.P. To the trade.

ESTABLISHED 1891

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**An absolutely pure spirit!**

**WATNEY'S  
GRAIN SPIRIT  
DOUBLY RECTIFIED**

*for*

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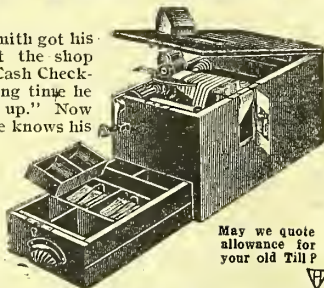
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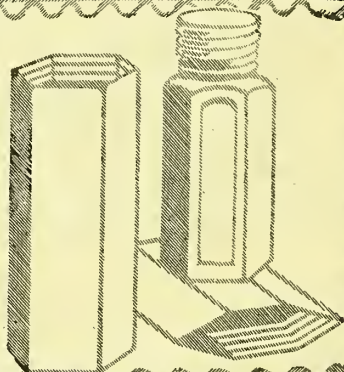
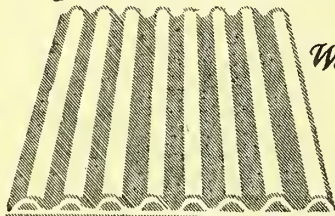
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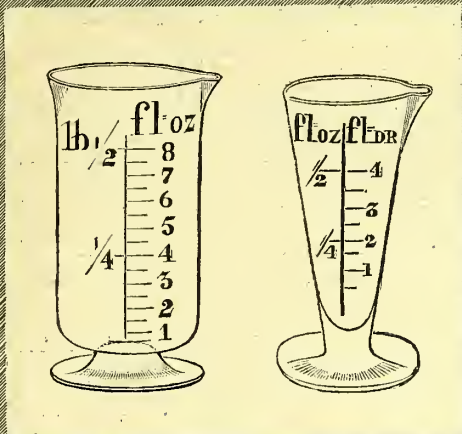
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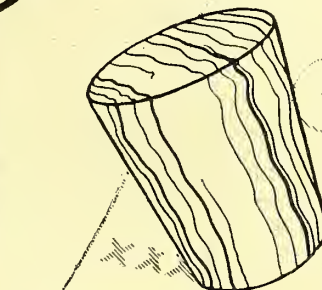
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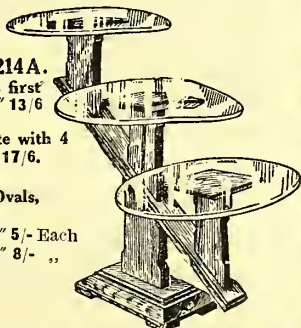
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